FACILITIES PLAN FOR WASTEWATER SYSTEM IMPROVEMENTS

prepared for

CITY OF OCEAN SPRINGS

OCTOBER 24, 2017

216-039.005

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I. SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

The primary purpose of this report is to develop a comprehensive plan to meet the City of Ocean Springs' wastewater collection and transportation improvements for the FY-2017/18 State Revolving Loan Fund (SRF) Program. This program is specifically for the City of Ocean Springs and includes upgrades and rehabilitation of existing systems in order to reduce infiltration and inflow into the system. This Plan generally meets the State of Mississippi's Program Requirements.

The City of Ocean Springs is applying for approximately four million, nine-hundred and fifty-eight thousand dollars ($4,958,000.00) in FY-2017/18 for replacement/upgrade of existing facilities to service the City of Ocean Springs. The types of upgrades include improvements to pump stations and gravity lines in areas that have been evaluated as contributing to inflow and infiltration throughout the City. The detailed costs are outlined in Chapter VII; however, in general the funds will be utilized to replace or rehab gravity lines and manholes that have met their useful life or are constructed with materials deemed unsuitable; install new force main to redirect flows from areas experiencing overflows or excessive pressure, and to upgrade and rehab existing pump stations. The average age of the system is over 40 years and detailed evaluation of pump rates and metered flowrates during rainy and dry times helped to determine the areas of the City to focus improvements.

The investigation and upgrade of the wastewater system is necessary to upgrade an aging system and to monitor future system impacts. The annual debt service associated with SRF FY-2017/18

is estimated at $295,949.00 per year. The revenue from operations of the system should be adequate to retire the debt. Any short fall will be made up by increasing user fees.

We recommend the State of Mississippi grant the $4,958,000.00 loan for the first stage of the City's program. The first phase of the project will specifically address the following:

Rehabilitate Pump Station Numbers 5, 9, 11, 88;

Rehabilitate gravity lines, manholes, and other wastewater facilities;

Install new force main to redirect flows from areas of high pressure, overflow, or asbestos lines

The pump station rehabilitation will consist of replacement of discharge piping, pumps, controls, valves, and miscellaneous structural improvements to extend the life and capacity of the stations. These projects are being designed concurrently with the facilities plan, and should be ready for plan submittal once the facilities plan has been accepted.

The rehabilitation of lines and manholes in the system is the continuation of an ongoing program within the City. Evaluation of flows throughout the system has already been performed and areas of high inflow and infiltration identified. These projects are being designed concurrently with the facilities plan, and should be ready for plan submittal once the facilities plan has been accepted.

Finally, the installation of new force mains to redirect flows in the Groveland area would allow for the redirection of sewer flow from an area of overflow due to shallow manholes backing up during times of increased flow. This would also allow the redirection of flow from direct connection into a force main owned and operated by the Jackson County Utility Authority into a nearby City owned gravity sewer manhole; this would resolve an ongoing issue with pumping capacity into the force main during high flow events due to high system pressures. Additional force main work would result in replacing existing asbestos force mains in sewer sheds #9 and #18 with HDPE force main. These projects are being designed concurrently with the facilities plan, and should be ready for plan submittal once the facilities plan has been accepted.

Future phases of work for this project would include the following items:

Rehabilitate Pump Station Numbers 2, 8, 20, 22, 28, 44;

Rehabilitate gravity lines, manholes, and other wastewater facilities in other areas of the City;

The map on the following page illustrates the City's current sewer system. The Phase 1 improvements are generally located in the western portion of the City, south of Highway 90; in the center of the City near Ocean Springs Road and Groveland Road, and in the south of the City located west of Halstead Road. Future phases are generally located in the northwest of the City along Highway 90; in the center of the City near Ocean Springs Road and Groveland Road, and in the south of the City near East Beach Drive.

In addition to representing the existing sewer system, the proposed improvements have also been indicated. The map illustrates pump stations, force main, and CIPP lining that the plan proposes to improve. An additional copy of the rehabilitations planned in the City is shown in

Appendix A in this report. This exhibit includes both the current phase of work requested in this plan, as well as future phases for consideration for future funding.

Figure 1: Existing System with Improvements

NORTH

SCALE: 1"=1500'

PROPOSED IMPROVEMENTS (SHED 5):
- REHAB L.S. #5

PROPOSED FUTURE IMPROVEMENTS (SHED 5):
- IMPROVE GRAVITY SEWER LINES AND MANHOLES BY REHABILITATION/ REPLACEMENT
- EXISTING GRAVITY SEWER: **±3,000 L.F. 8"Ø G.S.**

PROPOSED FUTURE IMPROVEMENTS (SHED 8):
- IMPROVE GRAVITY SEWER LINES AND MANHOLES BY REHABILITATION / REPLACEMENT
- EXISTING GRAVITY SEWER: **±4,800 L.F. 8"Ø G.S.**
- REHAB L.S. #8

PROPOSED IMPROVEMENTS (SHED 9):
- REHAB L.S. #9
- **REPLACE ±3,700 L.F. 6"Ø FORCE MAIN** (DIRECTIONAL BORE)

PROPOSED FUTURE IMPROVEMENTS (SHED 9):
- IMPROVE GRAVITY SEWER LINES AND MANHOLES BY REHABILITATION / REPLACEMENT
- EXISTING GRAVITY SEWER: **±7,200 L.F. 8"Ø G.S.**

PROPOSED FUTURE IMPROVEMENTS (SHED 44):
- REHAB L.S. #44

PROPOSED IMPROVEMENTS (SHED 11):
- IMPROVE GRAVITY SEWER LINES AND MANHOLES BY REHABILITATION/ REPLACEMENT
- EXISTING GRAVITY SEWER: **±5,800 L.F. 8"Ø G.S.** **±2,000 L.F. 12"Ø G.S.** **±600 V.F. MANHOLES (±48 EA.)**
- REHAB L.S. #11

PROPOSED FUTURE IMPROVEMENTS (SHED 2):
- REHAB L.S. #2

PROPOSED IMPROVEMENTS (SHED 1):
- IMPROVE GRAVITY SEWER LINES AND MANHOLES BY REHABILITATION / REPLACEMENT
- EXISTING GRAVITY SEWER: **±300 L.F. 6"Ø G.S.** **±24,000 L.F. 8"Ø G.S.** **±200 L.F. 12"Ø G.S.** **±1,200 V.F. MANHOLES (±101 EA.)**

PROPOSED IMPROVEMENTS (SHED 88):
- IMPROVE GRAVITY SEWER LINES AND MANHOLES BY REHABILITATION / REPLACEMENT
- EXISTING GRAVITY SEWER: **±3,400 L.F. 8"Ø G.S.** **±100 L.F. 12"Ø G.S.** **±800 L.F. 15"Ø G.S.** **±300 V.F. MANHOLES (±20 EA.)**
- REHAB L.S. #88

PROPOSED FUTURE IMPROVEMENTS (SHED 22):
- REHAB L.S. #22

PROPOSED IMPROVEMENTS (SHED 18):
- **REPLACE ±2,300 L.F. 6"Ø FORCE MAIN** (DIRECTIONAL BORE)

PROPOSED FUTURE IMPROVEMENTS (SHED 20):
- REHAB L.S. #20

PROPOSED FUTURE IMPROVEMENTS (SHED 28):
- REHAB L.S. #28

PROPOSED IMPROVEMENTS (SHED J8):
- **INSTALL ±1,200 L.F. 8"Ø FORCE MAIN** (DIRECTIONAL BORE)

PROPOSED IMPROVEMENTS (SHED 79,87,J8):
- **INSTALL ±3,800 L.F. 12"Ø FORCE MAIN** (DIRECTIONAL BORE)

TO I-10

MISSISSIPPI STATE HIGHWAY (609)

U. S. HIGHWAY 90

CITY LIMITS

Legend
- SEWER LINE
- PRIVATE SEWER LINE
- SEWER FORCE MAIN
- JCUA FORCE MAIN
- CITY LIMITS
- PROPOSED FORCE MAIN IMPROVEMENTS
- MANHOLE
- JCUA LIFT STATION
- CITY OF OCEAN SPRINGS LIFT STATION
- PRIVATE LIFT STATION
- PROPOSED SYSTEM UPGRADES

Rev. No. A

DATE	DESCRIPTION	BY	APVD
06/13/17	ISSUED FOR DRAFT FACILITIES PLAN	NMB	WAD

COMPTON ENGINEERING, INC.
Engineering, Surveying, and Environmental Services
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Pascagoula, Mississippi 39567
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CITY OF OCEAN SPRINGS
SEWER SYSTEM MAP

WASTEWATER FACILITY PLAN
EXISTING SYSTEM WITH IMPROVEMENTS

SCALE: 1" = 1500'
JOB NO.: 216-039.005
DATE:
DSGN.: WAD
DWG. BY: NMB
CHK.: WAD
APVD.:

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY.

FIGURE 1

PROPRIETARY RIGHTS CLAUSE: INFORMATION AND DATA CONTAINED ON THIS DRAWING IS CONFIDENTIAL. IT GIVEN TO AN ENTITY NOT HAVING A CONTRACTUAL RELATIONSHIP WITH THE ENGINEER, THE INFORMATION SHALL NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION. THIS DESIGN IS SHALL BE AWARDED OR ANY REPRODUCTIONS HEREOF IN WHOLE OR IN PART: COMPTON ENGINEERING, INC. © COPYRIGHT 1996

S:\Pascagoula\0-Projects\2016\216-039 City of Ocean Springs\216-039.005 Wastewater Facilities Plan\Dwgs\Current Design\Concept-Design\FIG 1 & 2 REV A.dwg, 6/12/2017 11:44:46 AM, nicoles, 1:2

II. PURPOSE AND NEED

The purpose for the project is to replace, repair or upgrade wastewater systems within the City. These improvements include rehabilitating and/or replacing four pump stations throughout the City; rehabilitating gravity sewer lines and manholes within the improvement areas indicated on the plans; and replacing and/or installing new sewer force main in the areas indicated on the plans.

The proposed pump station upgrades are needed to insure that wastewater generated throughout the City is properly transported throughout the system and ultimately to the Jackson County Utility Authority for transportation to their treatment facility. All four of the pump stations to be renovated have been inspected and documented as being in poor working condition. Due to poor structural conditions and outdated equipment, we propose to completely replace these pump stations through new pumps, controls, rails, valve pits, as well as structural repair and wet well lining. The pump capacities should be increased in order to insure the system can handle above normal peak flows. Please note that the contract documents for this station are being prepared concurrently to the facility plan, and should be ready to submit once the facilities plan is approved.

The rehabilitation of the existing system will primarily involve the installation of cured in place pipe (CIPP). The areas that require attention have already been identified by a detailed evaluation of sewer flows throughout the City during rainy and dry periods. Manholes will also

be lined when they are allowing leaks or are illustrating structural problems. Pipeline replacements may be necessary if it becomes unpractical to install a CIPP lining.

The line and manhole rehabilitation is necessary for several reasons. The areas shown to be rehabilitated or replaced within this plan represent the older areas within the service area as well as the areas frequently experiencing inflow and infiltration into the system. If wastewater systems are not tight, it is possible for wastewater to leak into the groundwater, causing a source of potential contamination. Additionally, when groundwater leaks into the system, this places an unnecessary burden on the wastewater system, resulting in added cost for energy and chemicals to treat the groundwater. Finally, this additional load could result in a need to expand wastewater transportation and treatment systems to handle the additional hydraulic load. This project is also being developed concurrently with the facilities plan, and should be ready to proceed as soon as we have facilities plan approval.

The final project involves the installation of new force mains to redirect flows in the Groveland area to allow for the redirection of sewer flow from an area of overflow due to shallow manholes backing up during times of increased flow. The installation of these new force mains would also allow the redirection of flow from direct connection into a force main owned and operated by the Jackson County Utility Authority into a nearby City owned gravity sewer manhole; this would resolve an ongoing issue with pumping capacity into the force main during high flow events due to high system pressures. This would help to alleviate system overflows in the Groveland area. Force main replacement in sewer sheds #9 and #18 would replace asbestos lines in these areas.

III. EXISTING SITUATION

A. Planning Area

The planning area of this project is the City limits of the City of Ocean Springs and their service area. The area can be found in Figure 2, but generally is bounded on the south by The Mississippi Sound; the west by the Biloxi Bay; the north by Fort Bayou; and the east by Highway 57. Although the system is not specifically slated as an expansion, the improvements will in fact allow additional capacity in the future by removing extraneous flows from existing gravity lines; improving flow characteristics with plastic pipes; and adding additional pumping capability.

This report provides information on the present system. The City has already accomplished the majority of the evaluation work on the pump station and pipe and manhole rehabilitation, and is proceeding with the design for the specified improvements while this plan is being reviewed by other agencies.

The number of people served by the system is essentially the entire population of the City of Ocean Springs. Based upon the 2010 census, and applying a geometric growth rate, the current population is estimated at approximately 17,686.

Figure 2: Planning Area

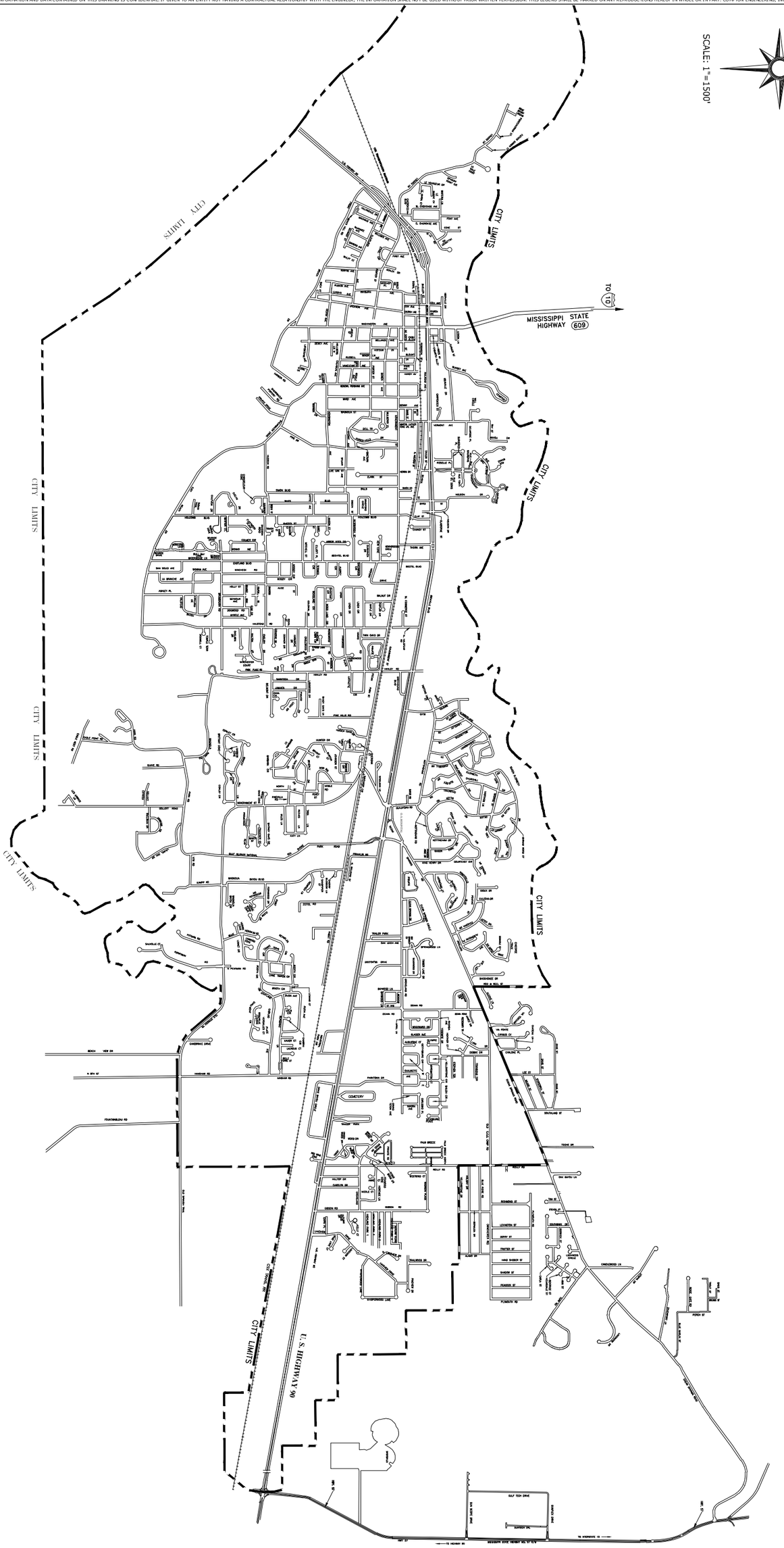
S:\Pascagoula\0-Projects\2016\216-039 City of Ocean Springs\216-039.005 Wastewater Facilities Plan\Dwgs\Current Design\Concept-Design\FIG 1 & 2 REV A.dwg, 6/12/2017 11:44:50 AM, nicoles, 1:2

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SCALE: 1"=1500'

NORTH



REV. A

FIGURE 2

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APVD.:	

CITY OF OCEAN SPRINGS
SEWER SYSTEM MAP

WASTEWATER FACILITY PLAN
PLANNING AREA

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E-mail: compton@comptonengineering.com

B. Surface Waters

The major surface water sheds in the planning region is the Mississippi Sound; the Biloxi Bay; and Fort Bayou. There is also some additional minor water sheds that may empty into these drainage basins. All surface water eventually reaches the Mississippi Sound. There should be no negative impact to these receiving waters as a result of the construction of the project. To our knowledge, there are currently no surface water facilities for potable water supply in this area. We would actually reduce impacts to coastal water by reducing any overflows associated with I/I in the system.

Ground water in the area is utilized presently as the source of potable water supply. Three aquifers are used in this area for potable and/or industrial water supply. These aquifers include the Citronell formation; the Graham Ferry Formation; and the Terrace Formation. The Graham Ferry Formation is utilized for most of the potable water in the planning area. The Graham Ferry Formation generally has sand regions about 500 to 600 feet below ground. The City also has an emergency connection with the Jackson County Utility Authority. The ground water resource is abundant and should be able to serve this area for years to come.

C. Organizational Control

The owner and applicant is the City of Ocean Springs. The City is incorporated as a weak Mayor form of government. They are governed by a mayor and six-member alderman (five districts and one at large).

1. Zip Codes of Service Area

The zip code in the area that is served by the project is 39564 and 39566. Zip Code 39564 reflects physical addresses, while 39566 reflects post office boxes.

2. Current Population

The service area for the system is primarily the City itself. The current system serves an estimated 17,686 people. The number of customers that are served by the system is currently approximately 8,214. The table below lists the current estimation of total customers, and the breakdown between residential and commercial customers:

TABLE 1 **CURRENT CUSTOMER BASE**	
Total Customers	8,214
Residential Customers	7,415
Commercial/Industrial Customers	799

Based on recent wastewater flow information for the City, this equals to an average flow of approximately 320 gallons per customer per day.

We have attached EPA Form 4700-4 in Appendix B.

D. Existing Wastewater Facilities

1. System Inventory and Performance

The wastewater facilities includes over 500,000 linear feet of gravity sewer collection system (6" to 24"); 95 pump stations; and over 20,000 linear feet of force main (6" to 16").

The majority of the wastewater system was installed over 40 years ago. The table below includes a more accurate breakdown:

TABLE 2 WASTEWATER FACILITIES	
Gravity Sewer Lines	500,000
Manholes	1,900
Major Pump Stations	95
Service Connections	8,218

In general, the system is performing adequately. There are minimum system overflows, even during heavy rain periods and as a whole the system adequately collects and transports the wastewater to the Jackson County Utility Authority (JCUA) for treatment. The proposed projects will enhance the system by upgrading aged lines and other facilities in areas of noted high levels of inflow and infiltration. The evaluation for the project is included in Appendix C.

2. Number of System Users

The total number of system users is outlined in the table below. Based on projections in population over the next few years, we anticipate a moderate change in the number of customers. The growth of the City from 2000 to 2010 has been approximately 1.2%. We anticipate a slight increase in population over the next 10 year period (approximately 2% over a 10 year span).

TABLE 3 **CURRENT CUSTOMER BASE**	
Total Customers	8,214
Residential Customers	7,415
Commercial/Industrial Customers	799

3. Current Wastewater Flows

The current system was evaluated to determine the system condition and present flows. The average daily residential usage in the system is estimated at 2.2 million gallons per day, with the total flow in the system estimated at 2.6 million gallons per day. The peak flow in the system is approximately 3 times average flow or approximately 7.8 million gallons per day.

4. Treatment

The wastewater from the City is treated by the Jackson County Utility Authority at the Seaman Road Land Treatment Facility located north of St. Martin. The facility has a design capacity of about 6 million gallons per day.

E. Major Users (5% or above)

There is not a single user that is responsible for 5% or more of the system's capacity.

F. Location and Unsewered Areas and On-Site Systems

The entire City is currently served with sewer service at this time.

G. Bypasses, Overflows, and Combined Sewers

To the best of our knowledge, there are no bypasses or combined sewers in the City system. During extreme rainfall, there are some areas that may experience overflows. The most recent overflow reports have been included in Appendix D for review. With the exception of periodic overflows associated with extraordinary rainfall events, the system does not have any other overflows to the best of our knowledge.

This project is a continuation of the City's program to upgrade their wastewater system to reduce inflow and infiltration into the system. Over the past few years, the City has invested substantially for evaluating and upgrading their existing system. This work has paid off and has resulted in reducing the wastewater pumped to the utility authority. There is, however, more work that needs to be accomplished, which has resulted in the proposed projects included in this facilities plan.

IV. WASTEWATER FLOW AND LOAD

A. Residential Flows

The City's population in the area is based upon information provided by the 2010 Census. The data has been included in Appendix H for review as needed. For the existing conditions analysis, 2017 was assumed as the Base Year and 2037 was assumed as the design year for future conditions. The 2010 population for the City is 17,442. Over the previous 10 years, this reflects a growth of 1.26%. Assuming an increase to 2.0% for the next 10 year period, this equates to an estimated population of 17,686 for the year 2017. The majority of the flows within the City are residential. Based on the number of customers, we estimate the current customer flows to be approximately 2.2 million gallons per day, and the 20 year design flow to be approximately 2.3 million gallons per day.

B. Significant Users

There are no significant users or major commercial/industrial customers that will be addressed under this project.

C. Infiltration and Inflow

The inflow and infiltration were evaluated in order to identify the areas of concern. These improvements should improve rates of inflow and infiltration in the areas where the evaluation showed elevated rates of I/I. The average daily flow in the system is estimated to be approximately 2.6 mgd. This includes approximately 20.0% infiltration. The average daily flow for the customer base is approximately 2.2 mgd. Based on estimated flows versus flows from the Utility Authority, we would estimate that 20 to 30 percent of the flow in the system are due to infiltration and inflow. Any new facilities designed by the City have to have the ability to handle a 2-year twenty-four hour storm without an impact to the system.

D. Wastewater Flows

The wastewater flows were obtained from the Jackson County Utility Authority's billing information. These are total flows including infiltration and inflow. We can estimate the I/I based upon City water sales and pumping rates at wastewater pump stations. There are several customers that produce wastewater, but do not purchase City water.

Peak hour flows are estimated to be 3 times average daily flows. With an average daily flow of 2.6 million gallons per day (1,800 gallons per minute), a peak flow for the system would be 7.8 mgd (5,400 gpm).

The flows within the City limits are expected to remain relatively consistent unless areas outside the City begin to transfer wastewater to City facilities.

Most flows into the system are residential loads with some minor commercial loads. We would not anticipate any unusual loading at the plant, and have not experience any unusual problems caused by waste load in the past.

V. DEVELOPMENT OF ALTERNATES

This facilities plan addresses inflow and infiltration throughout the areas of the City evaluated as most in need of improvement, as well as lift stations in these areas deemed most in need of improvement. We would propose to complete these phases in a fashion as to allow the City to budget for the future phases of the project.

A. Unsewered Areas

The entire City is currently served with sewer service at this time.

B. Collection System

The City's collection system is primarily a gravity collection system with several pump stations to transport the wastewater to the JCUA. The system includes approximately 500,000 feet of gravity pipes and 96 major pump stations.

The anticipated upgrades will primarily be line replacement or cured in-place pipe. No other alternatives were evaluated since these have been projected to be the most effective on past rehabilitation programs. The areas selected were evaluated based on increased pumping volume during rainy periods, as well as increased volume per customer. The areas selected (#1, #11, and #88) were high contributors to I/I for both metrics. These gravity areas are typically the older areas of the City's sewer system, and are the major focus of the improvements outlined in this plan. A detailed engineering design will include further investigations and will define the scope of the proposed improvements.

The pump station upgrades are located at Lift Stations #5, #9, #11, and #88. The evaluation looked at every station that currently records pump runtime throughout the City and ranked inflow and infiltration based upon increased volume during rainy periods, as well as increased volume per customer. These stations were selected as elevated contributors to I/I throughout the system. The history of these stations also dictated that they should be upgraded due to operations records and inspection. All four of the pump stations to be renovated have been inspected and documented as being in poor working condition. While other stations were considered, these were evaluated as most in need of improvement.

C. Interceptors

No additional facilities are proposed under this project.

D. Treatment System

The City is not responsible for treatment. This is performed by the JCUA under contract with the City of Ocean Springs and other municipalities in the County. We do not anticipate any increase in flows; in fact, we would anticipate reducing impact from infiltration and inflow based on the project.

VI. SELECTED PLAN

A. General Information

1. Description

The project is subdivided into three separate phases: Pump Station Rehabilitation; Collection system Rehabilitation; and Force Main Installation. These projects will be discussed individually below.

a. Pump Station Rehabilitation

This pump stations indicated for rehabilitation are located as shown on the system drawing at Stations #5, #9, #11, and #88. The pump station rehabilitation projects would include replacement of discharge piping, pumps, controls, and structural rehabilitation and wet well lining as necessary. Additional wet well volume may be necessary at some stations. The design of these improvements is currently underway and will be completed concurrently with review of this Facilities Plan by various agencies.

b. Gravity Sewer Collection System Restoration

The areas indicated for rehabilitation and restoration are located as shown on the system drawing at Sewer Sheds #1, #11, and #88. The rehabilitation of the existing system will primarily involve the installation of cured in place pipe (CIPP). The areas that require attention have already been identified by a detailed evaluation of sewer flows throughout the City during rainy and dry periods. Manholes will also be lined when they are allowing leaks or are illustrating structural problems. Pipeline replacements may be necessary if it becomes unpractical to install a CIPP lining. The design of these improvements is currently underway and will be completed concurrently with review of this Facilities Plan.

c. Force Main Installation

The areas indicated for force main installation are located as shown on the system drawing. The force main installation will involve the installation of new force mains to redirect flows in the Groveland area to allow for the redirection of sewer flow from an area of overflow due to shallow manholes backing up during times of increased flow. The installation of these new force mains would also allow the redirection of flow from direct connection into a force main owned and operated by the Jackson County Utility Authority into a nearby City owned gravity sewer manhole; this would resolve an ongoing issue with pumping capacity into the force main during high flow events due to high system pressures. This would help to alleviate system overflows in the Groveland area. Force main replacement in sewer sheds #9 and #18 would replace asbestos lines in these areas. The design of these improvements is currently underway and will be completed concurrently with review of this Facilities Plan by various agencies.

2. No Action Alternative

The selected plan is the most reasonable approach to provide the City with an adequate wastewater system to support their current and future needs. If no action is taken, the system will continue to degrade and will ultimately pose a threat to health and the environment due to the numerous defects in the aged system.

The no action alternative is not ideal due to the age of the system and defects currently in these areas of the system. With a deteriorated system, it is possible for wastewater to leak into the ground water (and potentially surface waters) through system defects. In a no action alternative,

wastewater could also potentially impact the quality of wetlands/navigable waterways, coastal zones, and vegetation/wildlife. Wastewater leaking into surface/groundwater, wetlands/navigable waterways, or coastal zones could cause a source of potential contamination that would prove harmful to both residents and vegetation/wildlife in the area. A no action alternative would only allow the system to further deteriorate, and increase the likelihood for contamination in these areas.

Proceeding with the improvements recommended in the proposed alternative would decrease the likelihood for impacts to ground/surface waters, wetlands/navigable waterways, coastal zones, and vegetation/wildlife, due to repairs being made to the deteriorated system. We do not foresee any positive or negative impacts to archaeological, historical, or cultural resources, flood plains, or air quality for either alternative.

3. Planning Area Map

The planning area for the proposed project has been indicated on the maps included with the facilities plan in Section 1 and in Appendix A. The maps included show the location of the existing facilities, with highlighted areas to indicate the line items of work in this project.

4. Systematical Exclusions

Since the system collects and treats all wastewater from the City, minorities are not being excluded in any fashion. Proposed improvements were selected based on the oldest areas of the service area in most need of repairs. Proposed improvements are spread out across the service

area, so minorities are not being excluded from receiving the benefits of any improvements. EPA Form 4700-4 has been included in Appendix B to this report.

5. Wastewater Treatment Facility Siting

Wastewater treatment is not applicable to this project. All treatment is performed by the Jackson County Utility Authority.

6. Preliminary Design Criteria

All design criteria will be based upon 10 state standards regarding wastewater facilities. In most cases, the line replacements will be with the same size pipe that is currently installed. We may increase some line sizes as needed to accommodate additional flows. The pump station capacity will be increased for anticipated flows in the future for the areas where pump station rehabilitation is proposed. The City's estimated wastewater flows are as follows:

Population	Average Flow (mgd)	Gallons Per Person Per Day
17,686	2.6	150

All new collection and transportation systems along with rehabs are to serve existing facilities. There are no developmental facilities include in this plan.

7. Treatment Plant Site Plan

Wastewater treatment is not part of this project since all wastewater treatment is handled by Jackson County Utility Authority.

8. New Collectors

There are no new collectors proposed in these projects.

B. Environmental Information

1. Water Quality Improvements

As previously discussed, the primary purpose of this project is to replace or rehab collection and transportation systems that are past their useful life or experiencing problems. If this project is not performed, the system will continue to deteriorate and may result in groundwater impacts from system leaks and surface water impacts from overflows caused by collapsed lines.

2. System Treatment Capacity

The treatment facility is owned and operated by the Jackson County Utility Authority (JCUA). This project will ultimately reduce flows into the system; therefore, the system treatment capacity is not an issue.

3. Treatment Process

This is not applicable to the City since all wastewater treatment is the responsibility of JCUA.

4. Miscellaneous Impacts of the Project

During the construction of the project, we would anticipate some minor impacts associated with noise and dust. This will be minimized as much as practical. Dust will be handled as required by wetting the areas. Erosion will be controlled by Best Management Practices outlined in the Contract Documents. Access to the construction will be limited to authorized personnel to avoid impacts to the public. Wastewater will be properly bypassed to prevent overflows.

5. Intergovernmental Reviews

The project will be located within existing street rights-of-way and easements. No impact to endangered species, wetlands, coastal zones, wild and scenic rivers, etc. is expected as a result of this project. Letters with a copy of this plan will be forwarded to proper agencies for review. All correspondence may be found in the appendices of this document and additional investigation required by agencies will be completed during design. We would also like to point out that this project is on developed lands and will have no impact to farmlands.

6. Flood Plains

No activity will restrict the flow of the 100-year flood. The control for the pump station will be located above the 100 year flood plain elevation.

C. Environmental Impacts

Since this project is located within the boundaries of an existing city that has been already developed, we do not see any impacts associated with the project. The wastewater system may currently be impacting groundwater since the system may have openings that could allow wastewater to migrate during heavy flows. The installation of these facilities will decrease impacts on the environment. We do not see any adverse impacts on surface or groundwater; archeological, historical or cultural resources; vegetation and wildlife; wetlands or navigable waterways; flood plains; coastal zones; wild or scenic rivers; or air quality associated with the installation of these facilities.

VII. FINANCIAL CAPABILITY SUMMARY

The Financial Capability Summary is included in Appendix E for your review. A budget from the City is included in Appendix F. This information was used to prepare the Financial Capability Summary. A Loan Analysis is included in Appendix G. Please note that all analysis and cost are prepared assuming 100% loan for the project. We request, however, consideration for grant for all or part of the project as design for these projects is currently proceeding.

A. Select Plan Cost

Currently, the City is requesting approximately $4,958,000.00 from SRF to accomplish the work. The construction cost for each project is divided as follows:

CURRENT PHASE:

1. Sewer Pumping Station Rehabilitation/Replacement $ 750,000.00
2. Sewer Line and Manhole Lining $2,500,000.00
3. Force Main Installation and Line Replacement $ 650,000.00

FUTURE PHASES:

1. Sewer Pumping Station Rehabilitation/Replacement $1,000,000.00
2. Sewer Line and Manhole Lining $1,200,000.00

A detailed breakdown of construction costs is shown as follows:

PHASE 1

Sewer Pumping Station Rehabilitation/Replacement					
Item #	**Description:**	**Units:**	**Quantity:**	**Unit Price:**	**Amount:**
1	Mobilization/Demobilization	LS	1	$100,000.00	$100,000.00
2	Rehabilitation of LS #5	LS	1	$150,000.00	$150,000.00
3	Rehabilitation of LS #9	LS	1	$175,000.00	$175,000.00
4	Rehabilitation of LS#11	LS	1	$150,000.00	$150,000.00
5	Rehabilitation of LS #88	LS	1	$175,000.00	$175,000.00
			TOTAL:		**$750,000.00**
			SAY:		**$750,000.00**

Sewer Line and Manhole Lining					
Item #	**Description:**	**Units:**	**Quantity:**	**Unit Price:**	**Amount:**
		Sewer Shed #1			
1	Mobilization/Demobilization	LS	1	$140,000.00	$140,000.00
2	12” CIPP Lining (up to 20' deep)	LF	200	$40.00	$8,000.00
3	8" CIPP Lining (up to 20' deep)	LF	24,000	$35.00	$840,000.00
4	6” CIPP Lining (up to 20' deep)	LF	300	$32.00	$9,600.00
5	Point Repairs (up to 10' deep)	EA	25	$5,000.00	$125,000.00
6	Point Repairs (10'-15' deep)	EA	5	$10,000.00	$50,000.00
7	Point Repairs (up to 20' deep)	EA	5	$12,000.00	$60,000.00
8	Manhole CIPP Lining 48" Diameter	VF	100	$235.00	$23,500.00
9	Manhole CIPP Lining 60" Diameter	VF	1,000	$240.00	$240,000.00
10	Manhole CIPP Lining 72" Diameter	VF	100	$250.00	$25,000.00
			TOTAL:		**$1,521,100.00**
		Sewer Shed #11			
1	Mobilization/Demobilization	LS	1	$50,000.00	$50,000.00
2	10” CIPP Lining (up to 20' deep)	LF	2,000	$38.00	$76,000.00
3	8" CIPP Lining (up to 20' deep)	LF	5,800	$35.00	$203,000.00
4	Point Repairs (up to 10' deep)	EA	15	$5,000.00	$75,000.00
5	Point Repairs (10'-15' deep)	EA	2	$10,000.00	$20,000.00
6	Point Repairs (up to 20' deep)	EA	2	$12,000.00	$24,000.00
7	Manhole CIPP Lining 48" Diameter	VF	50	$235.00	$11,750.00
8	Manhole CIPP Lining 60" Diameter	VF	500	$240.00	$120,000.00
9	Manhole CIPP Lining 72" Diameter	VF	50	$250.00	$12,500.00
			TOTAL:		**$592,250.00**

Sewer Shed #88					
1	Mobilization/Demobilization	LS	1	$35,000.00	$35,000.00
2	15” CIPP Lining (up to 20' deep)	LF	800	$45.00	$36,000.00
3	12” CIPP Lining (up to 20' deep)	LF	100	$40.00	$4,000.00
4	8" CIPP Lining (up to 20' deep)	LF	3,400	$35.00	$119,000.00
5	Point Repairs (up to 10' deep)	EA	15	$5,000.00	$75,000.00
6	Point Repairs (10'-15' deep)	EA	2	$10,000.00	$20,000.00
7	Point Repairs (up to 20' deep)	EA	2	$12,000.00	$24,000.00
8	Manhole CIPP Lining 48" Diameter	VF	50	$235.00	$11,750.00
9	Manhole CIPP Lining 60" Diameter	VF	200	$240.00	$48,000.00
10	Manhole CIPP Lining 72" Diameter	VF	50	$250.00	$12,500.00
			TOTAL:		**$385,250.00**
			SAY:		**$2,500,000.00**

Force Main Installation and Line Replacement (Shed 9, 18, 79, 87, and J8)					
Item #	**Description:**	**Units:**	**Quantity:**	**Unit Price:**	**Amount:**
1	Mobilization/Demobilization	LS	1	$50,000.00	$50,000.00
2	12” HDPE Sewer Force Main Directional Bore	LF	3,800	$65.00	$247,000.00
3	8” HDPE Sewer Force Main Directional Bore	LF	1,200	$50.00	$60,000.00
4	6" HDPE Sewer Force Main Directional Bore	LF	6,000	$45.00	$270,000.00
5	Manhole Tie-In	EA	1	$2,000.00	$2,000.00
6	Asphalt Pavement Repair	SY	150	$20.00	$3,000.00
			TOTAL:		**$638,000.00**
			SAY:		**$650,000.00**

PHASE TOTAL:	**$3,900,000.00**

FUTURE PHASES

Sewer Pumping Station Rehabilitation/Replacement					
Item #	**Description:**	**Units:**	**Quantity:**	**Unit Price:**	**Amount:**
1	Mobilization/Demobilization	LS	1	$150,000.00	$150,000.00
2	Rehabilitation of LS #2	LS	1	$100,000.00	$100,000.00
3	Rehabilitation of LS #8	LS	1	$150,000.00	$150,000.00
4	Rehabilitation of LS#20	LS	1	$150,000.00	$150,000.00
5	Rehabilitation of LS#22	LS	1	$175,000.00	$175,000.00
6	Rehabilitation of LS#28	LS	1	$175,000.00	$175,000.00
7	Rehabilitation of LS #44	LS	1	$100,000.00	$100,000.00
			TOTAL:		**$1,000,000.00**
			SAY:		**$1,000,000.00**

Sewer Line and Manhole Lining					
Item #	**Description:**	**Units:**	**Quantity:**	**Unit Price:**	**Amount:**
	Sewer Shed #5				
1	Mobilization/Demobilization	LS	1	$40,000.00	$40,000.00
2	8" CIPP Lining (up to 20' deep)	LF	3,000	$35.00	$105,000.00
3	Point Repairs (up to 10' deep)	EA	15	$5,000.00	$75,000.00
4	Point Repairs (10'-15' deep)	EA	2	$10,000.00	$20,000.00
5	Point Repairs (up to 20' deep)	EA	2	$12,000.00	$24,000.00
6	Manhole CIPP Lining 48" Diameter	VF	50	$235.00	$11,750.00
7	Manhole CIPP Lining 60" Diameter	VF	200	$240.00	$48,000.00
8	Manhole CIPP Lining 72" Diameter	VF	50	$250.00	$12,500.00
			TOTAL:		**$336,250.00**
	Sewer Shed #8				
1	Mobilization/Demobilization	LS	1	$50,000.00	$50,000.00
2	8" CIPP Lining (up to 20' deep)	LF	4,800	$35.00	$168,000.00
3	Point Repairs (up to 10' deep)	EA	15	$5,000.00	$75,000.00
4	Point Repairs (10'-15' deep)	EA	2	$10,000.00	$20,000.00
5	Point Repairs (up to 20' deep)	EA	2	$12,000.00	$24,000.00
6	Manhole CIPP Lining 48" Diameter	VF	50	$235.00	$11,750.00
7	Manhole CIPP Lining 60" Diameter	VF	300	$240.00	$72,000.00
8	Manhole CIPP Lining 72" Diameter	VF	50	$250.00	$12,500.00
			TOTAL:		**$433,250.00**

Sewer Shed #9					
1	Mobilization/Demobilization	LS	1	$35,000.00	$35,000.00
4	8" CIPP Lining (up to 20' deep)	LF	7,200	$35.00	$252,000.00
5	Point Repairs (up to 10' deep)	EA	20	$5,000.00	$100,000.00
6	Point Repairs (10'-15' deep)	EA	2	$10,000.00	$20,000.00
7	Point Repairs (up to 20' deep)	EA	2	$12,000.00	$24,000.00
8	Manhole CIPP Lining 48" Diameter	VF	50	$235.00	$11,750.00
9	Manhole CIPP Lining 60" Diameter	VF	500	$240.00	$120,000.00
10	Manhole CIPP Lining 72" Diameter	VF	50	$250.00	$12,500.00
			TOTAL:		**$575,250.00**
			SAY (APPROXIMATE COST):		**$1,400,000.00**

PHASE TOTAL:	**$2,400,000.00**

B. Interlocal Agency Agreements and Significant Users

There are no other local agencies participating and there are no system users that are over 5%.

C. Non-SRF Funds

There are no non SRF funds proposed for these projects. The City will repay the loan via user fees. As indicated in the Financial Capability Summary, the user fees are adequate to retire the debt.

TABLE 4
PROJECT COST BREAKDOWN

Item	Total Cost
Planning	$ 33,000
Design	$ 298,000
Construction	$3,900,000
Construction Phase Services	$ 337,000
Contingencies	$ 390,000
Total Project	**$4,958,000**

D. User Charges

Appendix F includes a breakdown of the wastewater budget for Fiscal Year 2016-2017.

The budget will be amended to include SRF payments in the amount of $295,949.00 annually to reflect repayment of this loan.

The total cost on wastewater operation and maintenance expended by the City, including total debt service (not including debt service which will rotate off of the budget for the anticipated 2019 Fiscal Year when the loan request is anticipated to be applied) was approximately $3,301,408.90. The total revenue approximated for wastewater (including subsidization from water budget and 3% yearly increase in user fees) for the budget year is $3,819,938.08. This leaves a surplus of $518,529.18. Since the City has a surplus, no increase in user fees is expected. The current surplus is more than adequate to retire the debt.

The average annual charge to each resident is expected to be approximately $392.64. This is a reasonable charge for wastewater collection, transportation and treatment.

E. Cost Per Household

A comparison to the median income for each household is not required since the user fees will not increase. The City has completed previous rehab programs without an increase and should be capable of completing this program without the increase. Additional work on the system may

require the City to request a modest increase, however, some bonds and loans may be retired in the near future which may offset this increase.

Based on the information in the Financial Capability Summary, the average annual cost is expected to be $392.64 per household. The median household income is $53,495.00. This results in a ratio of approximately 0.73%. This is well below the 1.75% for a high cost threshold.

IX PUBLIC PARTICIPATION

1. Public Hearing

A public notice for the public hearing (at least 30 days prior to the hearing date) regarding the proposed project was published in August 2017. We do not anticipate any adverse comments regarding the plan. A copy of the public notice for the public hearing and proof of publications have been included in Appendix I.

2. Public Comments

Any public comments received on the plan will be included in Appendix J.

3. Comments Addressed

All comments and the way they were addressed, whether from the public or agency reviews will be included in Appendix K.

4. Agency Reviews

A copy of the plan was submitted to the Corps of Engineers (Appendix L); Natural Heritage Programs (Appendix M); Mississippi Department of Archives and History (Appendix N); U.S. Fish and Wildlife (Appendix O); Department of Marine Resources (Appendix P); the Jackson County Utility Authority (Appendix Q); and Department of Environmental Quality (Appendix R). An appendix for each review agency has been set aside as indicated above, and will include all correspondence with the agency. Comments from each agency will be enclosed in these appendices, as well as Compton Engineering's responses to these comments, if necessary.

5. Owner Reviews

A copy of the plan was submitted to the City of Ocean Springs for review and comment. All comments and the way they were addressed will be included in Appendix S.

APPENDICES

APPENDIX A

LOCATION OF PROPOSED PROJECTS

PROPRIETARY RIGHTS CLAUSE: INFORMATION AND DATA CONTAINED ON THIS DRAWING IS CONFIDENTIAL. IF GIVEN TO AN ENTITY NOT HAVING A CONTRACTUAL RELATIONSHIP WITH THE ENGINEER, THIS INFORMATION SHALL NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION. THIS LEGEND SHALL BE MARKED ON ANY REPRODUCTIONS HEREOF IN WHOLE OR IN PART. COMPTON ENGINEERING, INC. © COPYRIGHT 1996.

NORTH

SCALE: 1"=1500'

PROPOSED IMPROVEMENTS (SHED 5):
- REHAB L.S. #5

PROPOSED FUTURE IMPROVEMENTS (SHED 5):
- IMPROVE GRAVITY SEWER LINES AND MANHOLES BY REHABILITATION/ REPLACEMENT
- EXISTING GRAVITY SEWER: **±3,000 L.F. 8"Ø G.S.**

PROPOSED FUTURE IMPROVEMENTS (SHED 8):
- IMPROVE GRAVITY SEWER LINES AND MANHOLES BY REHABILITATION/ REPLACEMENT
- EXISTING GRAVITY SEWER: **±4,800 L.F. 8"Ø G.S.**
- REHAB L.S. #8

PROPOSED IMPROVEMENTS (SHED 9):
- REHAB L.S. #9
- **REPLACE ±3,700 L.F. 6"Ø FORCE MAIN** (DIRECTIONAL BORE)

PROPOSED FUTURE IMPROVEMENTS (SHED 9)
- IMPROVE GRAVITY SEWER LINES AND MANHOLES BY REHABILITATION / REPLACEMENT
- EXISTING GRAVITY SEWER: **±7,200 L.F. 8"Ø G.S.**

PROPOSED FUTURE IMPROVEMENTS (SHED 44):
- REHAB L.S. #44

PROPOSED IMPROVEMENTS (SHED 11):
- IMPROVE GRAVITY SEWER LINES AND MANHOLES BY REHABILITATION/ REPLACEMENT
- EXISTING GRAVITY SEWER: **±5,800 L.F. 8"Ø G.S.** **±2,000 L.F. 12"Ø G.S.** **±600 V.F. MANHOLES (±48 EA.)**
- REHAB L.S. #11

PROPOSED IMPROVEMENTS (SHED 1):
- IMPROVE GRAVITY SEWER LINES AND MANHOLES BY REHABILITATION/ REPLACEMENT
- EXISTING GRAVITY SEWER: **±300 L.F. 6"Ø G.S.** **±24,000 L.F. 8"Ø G.S.** **±200 L.F. 12"Ø G.S.** **±1,200 V.F. MANHOLES (±101 EA.)**

PROPOSED FUTURE IMPROVEMENTS (SHED 2):
- REHAB L.S. #2

PROPOSED IMPROVEMENTS (SHED 88):
- IMPROVE GRAVITY SEWER LINES AND MANHOLES BY REHABILITATION/ REPLACEMENT
- EXISTING GRAVITY SEWER: **±3,400 L.F. 8"Ø G.S.** **±100 L.F. 12"Ø G.S.** **±800 L.F. 15"Ø G.S.** **±300 V.F. MANHOLES (±20 EA.)**
- REHAB L.S. #88

PROPOSED FUTURE IMPROVEMENTS (SHED 22):
- REHAB L.S. #22

PROPOSED IMPROVEMENTS (SHED 18):
- **REPLACE ±2,300 L.F. 6"Ø FORCE MAIN** (DIRECTIONAL BORE)

PROPOSED FUTURE IMPROVEMENTS (SHED 20):
- REHAB L.S. #20

PROPOSED FUTURE IMPROVEMENTS (SHED 28):
- REHAB L.S. #28

PROPOSED IMPROVEMENTS (SHED 18):
- **INSTALL ±1,200 L.F. 8"Ø FORCE MAIN** (DIRECTIONAL BORE)

PROPOSED IMPROVEMENTS (SHED 78,87,88):
- **INSTALL ±3,800 L.F. 12"Ø FORCE MAIN** (DIRECTIONAL BORE)

CITY LIMITS

TO I-10

MISSISSIPPI STATE HIGHWAY 609

U. S. HIGHWAY 90

Legend
- SEWER LINE
- PRIVATE SEWER LINE
- SEWER FORCE MAIN
- JCUA FORCE MAIN
- CITY LIMITS
- PROPOSED FORCE MAIN IMPROVEMENTS
- MANHOLE
- JCUA LIFT STATION
- CITY OF OCEAN SPRINGS LIFT STATION
- PRIVATE LIFT STATION
- PROPOSED SYSTEM UPGRADES

Rev. No.
A

	DATE	DESCRIPTION	BY	APVD
A	06/13/17	ISSUED FOR DRAFT FACILITIES PLAN	NMB	WAD

COMPTON ENGINEERING, INC.
Engineering, Surveying, and Environmental Services
1706 Convent Avenue
Pascagoula, Mississippi 39567
Phone: (228) 762-3970 Fax: (228) 769-9079
E-mail: compton@comptonengineering.com

CITY OF OCEAN SPRINGS
SEWER SYSTEM MAP

WASTEWATER FACILITY PLAN
EXISTING SYSTEM WITH IMPROVEMENTS

SCALE:	1" = 1500'
JOB NO.:	216-039.005
DATE:	
DSGN.:	WAD
DWG. BY:	NMB
CHK.:	WAD
APVD.:	

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY

0 1"

FIGURE 1

G:\Projects\2016\216.039 City of Ocean Springs\216.039.005 Wastewater Facilities Plan\Design\Current Design\SYS_FACILITY PLAN.dwg, 6/13/2017 11:47:42 AM, nmcbride, 1:1

APPENDIX B

EPA FORM 4700-4

Approved By OMB: No. 2030-0020 Expires 06-30-2017

U.S. ENVIRONMENTAL PROTECTION AGENCY
Washington, DC 20460

Preaward Compliance Review Report for All Applicants and Recipients Requesting EPA Financial Assistance

Note: Read instructions on other side before completing form.

I. Applicant/Recipient (Name, Address, State, Zip Code).	DUNS No.
City of Ocean Springs, P.O. Box 1800, Ocean Springs, MS 39566	04-787-9747

II. Is the applicant currently receiving EPA assistance?

No

III. List all civil rights lawsuits and administrative complaints pending against the applicant/recipient that allege discrimination based on race, color, national origin, sex, age, or disability. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7. See instructions on reverse side.)

None

IV. List all civil rights lawsuits and administrative complaints decided against the applicant/recipient within the last year that allege discrimination based on race, color, national origin, sex, age, or disability and enclose a copy of all decisions. Please describe all corrective action taken. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7. See instructions on reverse side.)

None

V. List all civil rights compliance reviews of the applicant/recipient conducted by any agency within the last two years and enclose a copy of the review and any decisions, orders, or agreements based on the review. Please describe any corrective action taken. (40 C.F.R. § 7.80(c)(3))

None

VI. Is the applicant requesting EPA assistance for new construction? If no, proceed to VII; if yes, answer (a) and/or (b) below.

Yes ✓ No

a. If the grant is for new construction, will all new facilities or alterations to existing facilities be designed and constructed to be readily accessible to and usable by persons with disabilities? If yes, proceed to VII; if no, proceed to VI(b). Yes No

b. If the grant is for new construction and the new facilities or alterations to existing facilities will not be readily accessible to and usable by persons with disabilities, explain how a regulatory exception (40 C.F.R. § 7.70) applies. Yes No

VII. Does the applicant/recipient provide initial and continuing notice that it does not discriminate on the basis of race, color, national origin, sex, age, or disability in its programs or activities? (40 C.F.R. § 5.140 and § 7.95) ✓ Yes No

a. Do the methods of notice accommodate those with impaired vision or hearing? ✓ Yes No

b. Is the notice posted in a prominent place in the applicant's offices or facilities or, for education programs and activities, in appropriate periodicals and other written communications? ✓ Yes No

c. Does the notice identify a designated civil rights coordinator? ✓ Yes No

VIII. Does the applicant/recipient maintain demographic data on the race, color, national origin, sex, age, or handicap of the population it serves? (40 C.F.R. § 7.85(a))

Demographic data is obtained from the Census Bureau

IX. Does the applicant/recipient have a policy/procedure for providing access to services for persons with limited English proficiency? (40 C.F.R. Part 7, E.O. 13166)

No request has been made. We would seek a translator if requested.

X. If the applicant/recipient is an education program or activity, or has 15 or more employees, has it designated an employee to coordinate its compliance with 40 C.F.R. Parts 5 and 7? Provide the name, title, position, mailing address, e-mail address, fax number, and telephone number of the designated coordinator.

ADA Coordinators HR & Risk Mgmt Director Mindy McDowell and Building Official Hilliard Fountain, P.O. Box 1800, Ocean Springs, MS 39566, mmcdowell@oceansprings-ms.gov, hfountain@oceansprings-ms.gov, phone 228-875-6712, fax 228-872-5427

XI. If the applicant/recipient is an education program or activity, or has 15 or more employees, has it adopted grievance procedures that assure the prompt and fair resolution of complaints that allege a violation of 40 C.F.R. Parts 5 and 7? Provide a legal citation or Internet address for, or a copy of, the procedures.

Yes

For the Applicant/Recipient

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. I assure that I will fully comply with all applicable civil rights statutes and EPA regulations.

A. Signature of Authorized Official	B. Title of Authorized Official	C. Date
Joann C. Gaston	Interim Director of Public Works	10/25/2017

For the U.S. Environmental Protection Agency

I have reviewed the information provided by the applicant/recipient and hereby certify that the applicant/recipient has submitted all preaward compliance information required by 40 C.F.R. Parts 5 and 7; that based on the information submitted, this application satisfies the preaward provisions of 40 C.F.R. Parts 5 and 7; and that the applicant has given assurance that it will fully comply with all applicable civil rights statutes and EPA regulations.

A. Signature of Authorized EPA Official See * note on reverse side	B. Title of Authorized EPA Official	C. Date

Instructions for EPA FORM 4700-4 (Rev. 06/2014)

General

Recipients of Federal financial assistance from the U.S. Environmental Protection Agency must comply with the following statutes and regulations.

Title VI of the Civil Rights Acts of 1964 provides that no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. The Act goes on to explain that the statute shall not be construed to authorize action with respect to any employment practice of any employer, employment agency, or labor organization (except where the primary objective of the Federal financial assistance is to provide employment).

Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act provides that no person in the United States shall on the ground of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under the Federal Water Pollution Control Act, as amended. Employment discrimination on the basis of sex is prohibited in all such programs or activities.

Section 504 of the Rehabilitation Act of 1973 provides that no otherwise qualified individual with a disability in the United States shall solely by reason of disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. Employment discrimination on the basis of disability is prohibited in all such programs or activities.

The Age Discrimination Act of 1975 provides that no person on the basis of age shall be excluded from participation under any program or activity receiving Federal financial assistance. Employment discrimination is not covered. Age discrimination in employment is prohibited by the Age Discrimination in Employment Act administered by the Equal Employment Opportunity Commission.

Title IX of the Education Amendments of 1972 provides that no person in the United States on the basis of sex shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. Employment discrimination on the basis of sex is prohibited in all such education programs or activities. Note: an education program or activity is not limited to only those conducted by a formal institution.

40 C.F.R. Part 5 implements Title IX of the Education Amendments of 1972.

40 C.F.R. Part 7 implements Title VI of the Civil Rights Act of 1964, Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act, and Section 504 of The Rehabilitation Act of 1973.

The Executive Order 13166 (E.O. 13166) entitled; "Improving Access to Services for Persons with Limited English Proficiency" requires Federal agencies work to ensure that recipients of Federal financial assistance provide meaningful access to their LEP applicants and beneficiaries.

Items

"Applicant" means any entity that files an application or unsolicited proposal or otherwise requests EPA assistance. 40 C.F.R. §§ 5.105, 7.25.

"Recipient" means any entity, other than applicant, which will actually receive EPA assistance. 40 C.F.R. §§ 5.105, 7.25.

"Civil rights lawsuits and administrative complaints" means any lawsuit or administrative complaint alleging discrimination on the basis of race, color, national origin, sex, age, or disability pending or decided against the applicant and/or entity which actually benefits from the grant, but excluding employment complaints not covered by 40 C.F.R. Parts 5 and 7. For example, if a city is the named applicant but the grant will actually benefit the Department of Sewage, civil rights lawsuits involving both the city and the Department of Sewage should be listed.

"Civil rights compliance review" means any review assessing the applicant's and/or recipient's compliance with laws prohibiting discrimination on the basis of race, color, national origin, sex, age, or disability.

Submit this form with the original and required copies of applications, requests for extensions, requests for increase of funds, etc. Updates of information are all that are required after the initial application submission.

If any item is not relevant to the project for which assistance is requested, write "NA" for "Not Applicable."

In the event applicant is uncertain about how to answer any questions, EPA program officials should be contacted for clarification.

* Note: Signature appears in the Approval Section of the EPA Comprehensive Administrative Review For Grants/Cooperative Agreements & Continuation/Supplemental Awards form.

"Burden Disclosure Statement"

EPA estimates public reporting burden for the preparation of this form to average 30 minutes per response. This estimate includes the time for reviewing instructions, gathering and maintaining the data needed and completing and reviewing the form. Send comments regarding the burden estimate, including suggestions for reducing this burden, to U.S. EPA, Attn: Collection Strategies Division (MC 2822T), Office of Information Collection, 1200 Pennsylvania Ave., NW, Washington, D.C. 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503.

The information on this form is required to enable the U.S. Environmental Protection Agency to determine whether applicants and prospective recipients are developing projects, programs and activities on a nondiscriminatory basis as required by the above statutes and regulations.

APPENDIX C

SEWER EVALUATION REPORTS

Wastewater Summary
Ocean Springs Lift Stations

Pump Station #:	On (Feet)	On (inches)	On (Elev)	Off (Feet)	Off (Inches)	Off (Elev)	Height (Ft)	Diameter (Feet)	Pump 1 Ave. Start (measure)	Pump 1 Ave. Stop (measure)	Pump 2 Ave. Start (measure)	Pump 2 Ave. Stop (measure)	Inflow Start Elev (Measure)	Inflow Stop Elev (Measure)	Inflow Time	Additional Pumped Flowrate	Time (min)	Pump 1 Flow (gpm)	Pump 2 Flow (gpm)	Runtime/Mo Pump 1(Wet)	Runtime/Mo Pump 2 (Wet)	Runtime/Mo Pump 1 (Dry)	Runtime/Mo Pump 2 (Dry)	Vol. Pumped (gal/mo, Wet)	Vol. Pumped (gal/mo, Dry)	Difference in Vol. Pumped (gal/mo)	Difference in Vol. Pumped (gal/mo/conn.)
1								8	15	15.75	15.6666667	16.375	18.5	17.5	2.11666667	177.643439	1.00	459.65	443.99	6231.3	6241.4	4397.8	4405.5	5635321.444	3977436.276	1657885.168	2170.006764
2								4	7	7.20833333	7.125	7.25	8	7.75	5	4.70014934	1.00	24.28	16.45					0	0	0	0
3								3	7.66666667	7.5	7.83333333	8.375	8.16666667	7.75	5	4.40639	1.00	-4.41	33.05					0	0	0	0
4								6	9.375	9.54166667	9.45833333	9.54166667	10.5833333	10.0833333	1.35	78.3358223	1.00	113.59	95.96	3091	3387	2543	2832	676118.4403	560614.2288	115504.2115	601.584435
5	4	8 1/2	4.71	1	7	1.58	3.13	6	9.45833333	9.875	9.70833333	10.0833333	10.3333333	9.83333333	2.61666667	40.4152968	1.00	128.54	119.73	5064	4635	3973	4162	1205892.261	1009019.303	196872.9586	2812.470837
6	4	7 1/2	4.63	2	8 1/2	2.71	1.92	5	12.125	12.1666667	12.1666667	12.1666667	12.5833333	12.5	5	2.44799445	1.00	8.57	2.45	7173	5279	8150	4753	74381.08723	81464.35916	-7083.271928	-153.9841724
7								6	11.3333333	12.6666667	11.8333333	13.25	12.3333333	11.8333333	3.45	30.6531478	1.00	312.66	330.29	2391	2875	1932	2248	1697152.146	1346549.87	350602.2754	979.3359647
8								6	8.75	9	8.625	8.83333333	8.75	8.5	5	10.575336	1.00	63.45	54.64	4339	5343	3235	4087	567255.7356	428577.8295	138677.9061	1400.786931
9								6	10.375	10.625	10.5833333	10.7916667	11.8333333	11.3333333	3.75	28.200896	1.00	81.08	72.26	6455	5157	4848	4618	896025.3064	726782.9167	169242.3898	909.9053212
10								5	13.3333333	13.875	13.5833333	13.7916667	14.1666667	13.6666667	1.75	41.9656191	1.00	121.53	72.57					0	0	0	0
11								5	5.66666667	6.16666667	6.04166667	6.625	14.3333333	13.3333333	0.93333333	157.371071	1.00	230.81	243.05	7628	8106	5753	6144	3730795.992	2821159.725	909636.2675	1301.339438
12	7	10 3/4	7.90	3	2 1/4	3.19	4.71	6	14.0416667	14.5833333	14.5416667	15.1666667	16.25	15.75	0.95	111.319326	1.00	225.89	243.51	5618	4957	4259	4445	2476108.708	2044452.714	431655.9944	706.4746226
13								5	10.2916667	12.2916667	8.70833333	11.1666667	10.9166667	10.4166667	2.25	32.6399259	1.00	326.40	393.72	1993	2660	1631	2275	1697806.548	1428068.16	269738.388	648.4095865
14	9	0	9.00	4	0	4.00	5.00	5	14.0833333	14.4583333	14.75	15.2916667	13	12.75	5	7.34398334	1.00	62.42	86.90	2679	2609	2387	2010	393965.5381	323682.3936	70283.14453	633.1814822
15								5	9.25	9.58333333	9.5	9.70833333	13.1666667	12.6666667	2	36.7199167	1.00	85.68	67.32					0	0	0	0
16	5	6	5.50	1	7	1.58	3.92	5	9.875	10.3333333	10.4583333	11.0416667	9.83333333	9.58333333	5	7.34398334	1.00	74.66	93.02	2309	2187	2289	2042	375841.8112	360860.0852	14981.72601	146.8796667
17	4	9 1/2	4.79	3	2 1/4	3.19	1.60	6	9.375	9.83333333	9.83333333	10.2083333	9.00	8.96	5.00	1.762556	1.00	98.70	81.08					0	0	0	0
18								5	12	12.5	12.2916667	12.625	14	13.5	1.36666667	53.7364634	1.00	127.18	102.70	2252	2145	1866	1857	506684.6962	428018.0961	78666.60004	189.1024039
19	8	4	8.33	2	5	2.42	5.92	5	10.2916667	10.375	10.3333333	10.4583333	11.3333333	11	5	9.79197778	1.00	22.03	28.15	1783	1254	1057	768	74585.49477	44908.4581	29677.03666	486.5087978
20	5	1 3/4	5.15	2	2 3/4	2.23	2.92	6	3.45833333	3.625	3.625	3.75	6.5	6.33333333	5	7.050224	1.00	42.30	33.49	3527	3311	2089	1977	260077.4758	154574.3987	105503.0771	1551.51584
21	4	3 1/2	4.29	2	6 1/2	2.54	1.75	5	12.5	13.1666667	13.1666667	13.875	12.9166667	12.5833333	5	9.79197778	1.00	107.71	113.83	830	984	637	804	201411.191	160133.1087	41278.08234	699.6285142
22	4	5 3/4	4.48	1	6 3/4	1.56	2.92	5	6.04166667	6.75	6.66666667	7.33333333	13.9166667	13.6666667	5	7.34398334	1.00	111.38	105.26	2449	2334	2005	2019	518464.4156	435851.9471	82612.46855	494.6854404
23								5	10.25	12.0416667	9.91666667	12.375	12.42	11.58	5.00	24.4799445	1.00	287.64	385.56					0	0	0	0
24	6	3 1/2	6.29	2	3 1/2	2.29	4.00	5	9.83333333	10.2916667	10.2916667	10.7916667	13.1666667	12.6666667	1	73.4398334	1.00	140.76	146.88	732	705	1133	1197	206586.2513	335295.6792	-128709.428	-3677.412227
25								6	12.4583333	13	13.0416667	13.625	11.5833333	11.5833333	5	0	1.00	114.57	123.38					0	0	0	0
26																0	1.00	0.00	0.00					0	0	0	0
27	4	9 1/4	4.77	2	3	2.25	2.52	5	8.95833333	9.20833333	9.20833333	9.54166667	9.91666667	9.83333333	5	2.44799445	1.00	39.17	51.41	3628	3311	1573	1399	312312.6834	133530.753	178781.9303	178781.9303
28	6	4 1/4	6.35	2	9 3/4	2.81	3.54	5	7.20833333	7.66666667	8	8.20833333	9.58333333	9.25	5	9.79197778	1.00	77.11	40.39	2399	4055	1994	3640	348780.4566	300787.5255	47992.9311	307.6469943
29	3	8 1/4	3.69	2	2 1/4	2.19	1.50	6	8.41666667	8.70833333	8.66666667	9	7.5	7.33333333	5	7.050224	1.00	68.74	77.55	1887	1779	1589	1503	267677.6173	225788.7114	41888.90591	734.8930862
30	2	4 3/4	2.40	1	8 1/2	1.71	0.69	4	6.375	7.16666667	7.16666667	7.79166667	7.33333333	7.25	5	1.56671645	1.00	75.99	60.32	429	323	408	356	52080.78807	52475.60061	-394.8125442	-20.77960759
31								6	16	16.3333333	16.25	16.5	19.5	19	1.33333333	79.31502	1.00	149.82	132.19	8329	6818	6809	5668	2149110.97	1769368.28	379742.6904	847.6399339
32								6	9.70833333	10.125	9.91666667	10.2916667	11.5833333	11	5	24.675784	1.00	112.80	103.99	3081	4116	2476	3420	775573.9919	634950.2239	140623.768	468.7458932
33								3.5	4.625	4.70833333	4.66666667	4.83333333	7.58333333	7.54166667	5	0.59975864	1.00	6.60	12.59					0	0	0	0
34								3.5	5.91666667	6.5	6.08333333	6.625	6.83333333	6.83333333	5	0	1.00	41.98	38.98					0	0	0	0
35								3.5	4.45833333	4.91666667	4.625	5.04166667	5.25	4.91666667	5	4.79806911	1.00	37.78	34.79					0	0	0	0
36								3.5	7.5	7.54166667	7.54166667	7.625	7.16666667	7.16666667	5	0	1.00	3.00	6.00					0	0	0	0
37								3.5	8.70833333	8.79166667	8.79166667	8.875	11.25	11.0833333	5	2.39903456	1.00	8.40	8.40					0	0	0	0
38								6	9.54166667	10	9.95833333	10.5	11	10.5	1.6	66.09585	1.00	163.04	180.66					0	0	0	0
39	2	3 1/2	2.29	1	4 1/4	1.35	0.94	3	4.22916667	4.35416667	0	0	5.00	5.00	5.00	0	1.00	6.61	0.00					0	0	0	0
40	5	11 1/2	5.96	2	10 1/2	2.88	3.08	5	8.41666667	8.75	8.75	9.45833333	8.58	8.17	5.00	12.2399722	1.00	61.20	116.28	1938	911	3119	897	224536.1705	295185.2902	-70649.1197	-1009.273139
41								6	12.2083333	13.375	11.3333333	12.4583333	8.58333333	8.16666667	5	17.62556	1.00	264.38	255.57	1425	1664	1360	1545	802015.857	754418.0322	47597.8248	254.5338225
42	3	11 3/8	3.95	1	10	1.83	2.11	6	11.9166667	12.7916667	12.5416667	13.75	11.0833333	10.75	5	14.100448	1.00	199.17	269.67	1600	1165	1528	1158	632836.9193	616609.0662	16227.8531	133.0151893
43								3	4.625	5.33333333	4.75	5.29166667	5.25	5.25	5	0	1.00	37.45	28.64					0	0	0	0
44								4	13.75	14.125	14.0833333	15.0416667	12.75	12.5	5	9.40029867	1.00	44.65	99.49					0	0	0	0
45	8	3 1/4	8.27	4	9	4.75	3.52	5	9.58333333	9.79166667	9.79166667	10.0416667	11.0833333	10.5833333	3.16666667	23.1915263	1.00	53.79	59.91	5691	5405	4520	4474	629948.5307	511181.1812	118767.3495	1827.189992
46								3	3	3.83333333	3.125	4	1	1	5	0	1.00	44.06	46.27					0	0	0	0
47	4	7	4.58	2	9 1/4	2.77	1.81	5	8.5	8.75	8.625	8.83333333	9.25	8.91666667	5	9.79197778	1.00	46.51	40.39	3881	3484	4326	3280	321238.0711	333695.9148	-12457.84373	-131.1351972
48	5	1 1/8	5.09	3	2 3/8	3.20	1.90	5	10.7083333	11.3333333	11.25	12.125	10.6666667	10.5	5	4.89598889	1.00	96.70	133.42	813	725	710	627	175340.0502	152305.6464	23034.40374	397.144892
49								4	11.5833333	12.0416667	12.0416667	12.4583333	9.67	9.63	5.00	0.78335822	1.00	43.87	39.95					0	0	0	0
50								4	6.70833333	7.16666667	6.95833333	7.25	6.58	6.54	5.00	0.78335822	1.00	43.87	28.20					0	0	0	0
51	6	1/2	6.04	2	11 1/2	2.96	3.08	6	6.5	6.83333333	6.79166667	7.04166667	8.67	8.50	5.00	7.050224	1.00	77.55	59.93					0	0	0	0
52	6	4	6.33	3	1 3/4	3.15	3.19	5	9.41666667	10.2083333	10.2083333	11.1666667	9.58333333	8.75	5	24.4799445	1.00	140.76	165.24	3323	2909	2770	2421	948426.488	789949.4476	158477.0404	865.9947564
53	5	8 3/4	5.73	3	9 1/4	3.77	1.96	5	11.7083333	12.2916667	10.875	11	12.92	12.83	5.00	2.44799445	1.00	88.13	20.81					0	0	0	0
54								6	15.3333333	15.9166667	15.9166667	16.4583333	15.1666667	14.6666667	5	21.150672	1.00	144.53	135.72	2514	2685	1972	2145	727747.0348	576124.9174	151622.1174	3790.552935
55	3	5 1/2	3.46	2	2 1/4	2.19	1.27	5	6.66666667	6.8125	6.77083333	6.91666667	6.5	6.33333333	5	4.89598889	1.00	26.32	26.32	720	685	1616	953	36973.89611	67605.6506	-30631.7545	-2552.646208
56								4	8.45833333	9.04166667	8.08333333	8.625	7.5	7.5	5	0	1.00	54.84	50.92					0	0	0	0
57								4	11	11.0833333	11.0833333	11.1666667	11.5833333	11.4166667	5	3.13343289	1.00	10.97	10.97					0	0	0	0
58								6	10.2916667	10.9583333	9.66666667	10.2916667	9.58333333	8.91666667	5	28.200896	1.00	169.21	160.39	2119	2191	2029	2207	709966.3699	697304.1676	12662.20231	49.26926969
59	4	2 3/4	4.23	2	5	2.42	1.81	5	7.83333333	8.75	8.5	9.41666667	8.16666667	8	5	4.89598889	1.00	139.54	139.54	695	682	570	585	192140.636	161163.7143	30976.92171	885.0549061
60								3	3.3125	4.54166667	0	0	3.5	3.5	5	0	1.00	64.99	0.00					0	0	0	0
61																0	1.00	0.00	0.00					0	0	0	0
62								3	7.45833333	7.54166667	0	0	8.75	8.75	5	0	1.00	4.41	0.00					0	0	0	0
63								6	11.7916667	11.9583333	11.9166667	12.125	10.9166667	10.9166667	5	0	1.00	35.25	44.06					0	0	0	0
64								6	10.75	10.9583333	10.9166667	11.0833333	11.75	11.75	5	0	1.00	44.06	35.25					0	0	0	0
65								2.5	3.625	5.08333333	0	0	5.33333333	5.33333333	5	0	1.00	53.55	0.00					0	0	0	0
66	3	7	3.58	2	1	2.08	1.50	6	14.5	14.9583333	14.9583333	15.4583333	14.5833333	14.5	5	3.525112	1.00	100.47	109.28	1194	1075	1526	1363	237430.3938	302257.2035	-64826.80971	-1223.147353
67	2	8 1/4	2.69	1	2	1.17	1.52	5	14.0833333	15.4166667	15.4166667	16.7083333	15.0833333	15	5	2.44799445	1.00	198.29	192.17	317	325	300	320	125311.6117	120979.8855	4331.726171	180.4885905
68								6	16.375	17.3333333	17.3333333	17.9166667	19.75	19.25	2	52.87668	1.00	255.57	176.26	3132	3693	2505	3124	1451359.113	1190826.898	260532.2153	680.2407709
69	5	8	5.67	3	1	3.08	2.58	6	19.8333333	20.5	20.5	21.2083333	22	21.5	2.71666667	38.9276172	1.00	179.93	188.74	1946	4096	1662	3741	1123246.879	1005141.731	118105.147	478.1584901
70	6	4 5/8	6.39	1	10 1/2	1.88	4.51	6	13.375	14.0416667	14.0416667	14.6666667	15.00	14.83	5.00	7.050224	1.00	148.05	139.24					0	0	0	0
71								6	5.25	5.625	5.625	6	5.33	5.33	5.00	0	1.00	79.32	79.32					0	0	0	0
72	9	0	9.00	2	10	2.83	6.17	5	13.0833333	13.25	13.25	13.4583333	14.9166667	14.5	5	12.2399722	1.00	36.72	42.84	2942	3438	3233	4293	255313.5807	302627.1933	-47313.61265	-727.901733
73	4	7	4.58	2	4	2.33	2.25	6	9.70833333	9.83333333	9.75	9.95833333	11.4166667	11.1666667	5	10.575336	1.00	37.01	54.64	5183	5931	2881	2818	515907.1917	260609.7677	255297.4239	2092.601836
74								6	12.3333333	12.7083333	12.7083333	13.0833333	13.75	13.5	5	10.575336	1.00	89.89	89.89	4734	4079	4788	4550	792203.7078	839396.1447	-47192.43692	-310.4765587
75	3	9	3.75	2	0	2.00	1.75	5	9.83333333	10.1666667	10.1666667	10.25	10.25	10.17	5.00	2.44799445	1.00	51.41	14.69					0	0	0	0
76	5	5	5.42	1	11	1.92	3.50	5	15.0833333	15.1666667	15.125	15.375	15.25	15.00	5.00	7.34398334	1.00	19.58	44.06					0	0	0	0
77								3	9.95833333	10.9166667	10.2083333	10.9583333	10.50	10.50	5.00	0	1.00	50.67	39.66					0	0	0	0
78	7	8	7.67	6	3	6.25	1.42	5	15.4583333	15.8333333	15.8333333	16.0833333	14.5	14	5	14.6879667	1.00	69.77	51.41	1706	1554	2326	2173	198911.7887	273989.3303	-75077.54165	-1416.55739
79								2.5	3.66666667	4.5	0	0	4.16666667	4.16666667	5	0	1.00	30.60	0.00					0	0	0	0
80								6	19.875	20.625	20.625	21.4166667	19.8333333	19.8333333	5	0	1.00	158.63	167.44					0	0	0	0

Wastewater Summary
Ocean Springs Lift Stations

81	3	7	3.58	2	4 1/2	2.38	1.21	4	6.08333333	6.54166667	6.5	6.91666667	5.58	5.50	5.00	1.56671645	1.00	44.65	40.73					0	0	0	0
82								3	4.25	5.25	4	5.125	5.00	4.50	3.67	7.21045637	1.00	60.09	66.70					0	0	0	0
83	3	8 1/2	3.71	1	4 1/2	1.38	2.33	3	7.16666667	7.45833333	7.66666667	7.91666667	8.75	8.58333333	5	1.762556	1.00	17.18	14.98	847	841	563	659	27155.25966	19548.06797	7607.191699	1086.741671
84	5	9 1/4	5.77	2	0	2.00	3.77	5	6.91666667	7.70833333	7.66666667	8.25	8	7.5	5	14.6879667	1.00	130.97	100.37	1689	2414	1630	2390	463492.2523	453356.3313	10135.921	112.6213445
85	7	1 1/2	7.13	3	1	3.08	4.04	5	9.16666667	9.58333333	9.58333333	10.0833333	8	7.5	5	14.6879667	1.00	75.89	88.13	6637	4727	12773.9	10913.8	920247.624	1931192.708	-1010945.084	-9628.048417
86	5	9 1/2	5.79	4	0	4.00	1.79	5	10.75	10.9166667	10.875	11	11.33	10.83	5.00	14.6879667	1.00	39.17	33.05					0	0	0	0
87	8	1 1/2	8.13	4	10 1/4	4.85	3.27	6	11.3333333	12.2916667	12.2916667	13.375	12.4166667	12.25	5	7.050224	1.00	209.74	236.18	1536	1591	1388	1442	697933.4001	631700.0707	66233.3294	473.09521
88	9	2 1/2	9.21	3	4	3.33	5.88	6	7	7.95833333	7.875	9.25	12.75	11.75	1.18333333	178.738073	1.00	381.43	469.56	5741	4823	4012	3568	4454488.169	3205694.652	1248793.517	1443.691927
89	5	4	5.33	2	0	2.00	3.33	9	18.9583333	19.7083333	19.7083333	20.2083333	20	20	5	0	1.00	356.92	237.95	1096	329	223	290	469465.6036	148596.69	320868.9136	24682.22412
90	4	1 1/2	4.13	2	7 3/4	2.65	1.48	7	9.95833333	10.4166667	10.4166667	10.5	11.00	11.00	5.00	0	1.00	131.95	23.99					0	0	0	0
91	5	3 1/2	5.29	2	6 3/4	2.56	2.73	5	12.7083333	13.25	13.25	13.75	13.67	13.50	5.00	4.89598889	1.00	84.46	78.34					0	0	0	0
92								4	9.79166667	10.4583333	10.5	11.125	8.83	8.71	5.00	2.35007467	1.00	65.02	61.10					0	0	0	0
93	5	1/2	5.04	2	5	2.42	2.63	5	12.4166667	12.9583333	12.9583333	13.9166667	13.75	13.67	5.00	2.44799445	1.00	82.01	143.21	530	885	560	1299	170202.9338	231951.1457	-61748.21189	-2205.293282
94	3	7	3.58	2	3	2.25	1.33	5	9	10.1666667	9.125	9.625	7.83	7.63	5.00	6.11998611	1.00	177.48	79.56					0	0	0	0
95	2	4 1/2	2.38	2	0	2.00	0.38	5	7.33333333	8.375	8.16666667	8.29166667	8.00	7.96	5.00	1.22399722	1.00	154.22	19.58					0	0	0	0
96																0	1.00	0.00	0.00					0	0	0	#DIV/0!
97																0	1.00	0.00	0.00					0	0	0	#DIV/0!
98																0	1.00	0.00	0.00					0	0	0	#DIV/0!
99																0	1.00	0.00	0.00					0	0	0	#DIV/0!
100								6	13.125	13.25	13.1666667	13.2916667	15.75	15.58	5.00	7.050224	1.00	33.49	33.49					0	0	0	0
101								6	12.375	13.1666667	11.625	12.25	12.83	12.83	5.00	0	1.00	167.44	132.19					0	0	0	0
102								6	15.0416667	17.3333333	14.625	16	15.25	15.25	5.00	0	1.00	484.70	290.82					0	0	0	0
103								6	11.3333333	12.4166667	10.6666667	11.4583333	12.08	12.08	5.00	0	1.00	229.13	167.44					0	0	0	0
104								6	11.5416667	14.25	11.4583333	14.4166667	12.33	12.25	5.00	3.525112	1.00	576.36	629.23					0	0	0	0

APPENDIX D

OVERFLOW REPORTS

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): Government St at Twin Oaks

V. Date & Time Bypass Began (estimate if necessary): 12/5/16 1:30 P.M.

VI. Date & Time Bypass Ended (estimate if necessary): 12/5/16 6:30 P.M.

VII. Volume of Wastewater Bypassed (estimate if necessary): 30,000 Gallons

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Fort Bayou

IX. Cause of Bypass: Heavy Rain

X. Temporary Corrective Actions Taken: The city is continuing to rehab the sewer system - smoketest, pipe lining, manhole work, point repairs, and pipe replacement

XI. Cleanup Measures Taken: Cleaned and picked up ground and put lime out

XII. Permanent Corrective Actions Taken: The city is continuing to rehab the sewer system and working with J.E.H.A

XIII. Number of Bypasses at this Location in the past 12 months: 13

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 2" inches

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL

1141 BAYVIEW AVE., SUITE 208

BILOXI, MS 39530

PHONE NUMBER: (228) 432-1056

FAX NUMBER: (228) 432-5553

DELIVERED DEC 0 6 2016

PRINT NAME: Johnny Grove

SIGNATURE:

TITLE: Dir of PW

ADDRESS: P.O. Box 1800

Ocean Springs, MS 39566

PHONE NUMBER: 228-875-3955

DATE: 12/5/16

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 30005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): Government St & Twin Cak

V. Date & Time Bypass Began (estimate if necessary): 12-4-16 12:00 A.M.

VI. Date & Time Bypass Ended (estimate if necessary):

VII. Volume of Wastewater Bypassed (estimate if necessary):

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Fort Bayou

IX. Cause of Bypass: Heavy Rain

X. Temporary Corrective Actions Taken: The city is continuing to rehab the sewer system - smoke test - flow leveling - Manhole work - Point Repair - Pipe replacements

XI. Cleanup Measures Taken: Cleaned and picked up ground and put lime out

XII. Permanent Corrective Actions Taken: The city is continuing to rehab the sewer system and working with FDEQ

XIII. Number of Bypasses at this Location in the past 12 months: 12

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 3"

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL

1141 BAYVIEW AVE., SUITE 208

BILOXI, MS 39530

PHONE NUMBER: (228) 432-1056

FAX NUMBER: (228) 432-8553

PRINT NAME: Johnny Grove

SIGNATURE: [signature]

TITLE: Dir of Pub

ADDRESS: P.O. Box 1800

Ocean Springs, MS 39566

PHONE NUMBER: 228-875-3955

DATE: 12-5-16



re FAXED 12-5-16 M

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): Government st & Tivoli

V. Date & Time Bypass Began (estimate if necessary): 11-4-16 12:00 P.M.

VI. Date & Time Bypass Ended (estimate if necessary):

VII. Volume of Wastewater Bypassed (estimate if necessary):

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Fort Bayou

IX. Cause of Bypass: Heavy Rain

X. Temporary Corrective Actions Taken: The city is continuing to rehab the sewer system - smoke test - Pipe lining - Manhole work - Point Repair - Pipe replacements

XI. Cleanup Measures Taken: Cleaned and picked up ground and put lime out

XII. Permanent Corrective Actions Taken: The city is continuing to rehab the sewer system and working with E.P.A.

XIII. Number of Bypasses at this Location in the past 12 months: 12

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 3"

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL

1141 BAYVIEW AVE., SUITE 208

BILOXI, MS 39530

PHONE NUMBER: (228) 432-1056

FAX NUMBER: (228) 432-5553

ENTERED

DELIVERED DEC 05 2016

PRINT NAME: Johnny Grow

SIGNATURE:

TITLE: Dir of PW

ADDRESS: P.O. Box 1800

Ocean Springs, MS 39

PHONE NUMBER: 228-875-3955

DATE: 12-5-16

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): 2520 Havard Road

V. Date & Time Bypass Began (estimate if necessary): 10-10-16 10:00 A.M.

VI. Date & Time Bypass Ended (estimate if necessary): 10-10-16 11:30 A.M.

VII. Volume of Wastewater Bypassed (estimate if necessary): 1000 Gallows

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): None

IX. Cause of Bypass: Grease in Sewer line

X. Temporary Corrective Actions Taken: Cleared sewer line & put HT it out

XI. Cleanup Measures Taken: Cleared up curbing and pumped out curbing and washed down

XII. Permanent Corrective Actions Taken: Cleaned pipe and will put on routine check list

XIII. Number of Bypasses at this Location in the past 12 months: 0

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? N/A.

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL

1141 BAYVIEW AVE., SUITE 208

BILOXI, MS 39530

PHONE NUMBER: (228) 432-1056

FAX NUMBER: (228) 432-5553

PRINT NAME: James C. Foster Jr.

SIGNATURE: James C Foster

TITLE: Assistant Director of Public Works

ADDRESS: P.O. Box 1800

Ocean Springs, MS 39566

PHONE NUMBER: 228-875-3955

DATE: 10-10-16

FAXED OCT 10 2016

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Lift Station # 75

IV. Physical Address of Source Location (i.e. street, avenue, etc.): 606 Rue Riviera

V. Date & Time Bypass Began (estimate if necessary): 10/12/16 8:23 AM

VI. Date & Time Bypass Ended (estimate if necessary): 10/12/16 8:45 AM

VII. Volume of Wastewater Bypassed (estimate if necessary): 60 gallons

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Fort Bayou

IX. Cause of Bypass: Pump Station Electrical Parts burnt up

X. Temporary Corrective Actions Taken: Fixed lift station panel

XI. Cleanup Measures Taken: Vac-Con, Lime, Fresh water clean up

XII. Permanent Corrective Actions Taken: Fixed lift station burnt up parts

XIII. Number of Bypasses at this Location in the past 12 months: 0

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 0

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL

1141 BAYVIEW AVE., SUITE 208

BILOXI, MS 39530

PHONE NUMBER: (228) 432-1056

FAX NUMBER: (228) 432-5553

PRINT NAME: Johnny Grove

SIGNATURE: [signature]

TITLE: Dir of PW

ADDRESS: P.O. Box 1800

Ocean Springs, MS 39566

PHONE NUMBER: 228-875-3955

DATE: 10/12/16

FAXED OCT 12 2016
SHIPPED OCT 13 2016

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): Government St and Twin Oaks

V. Date & Time Bypass Began (estimate if necessary): 8/12/16 9:15 AM

VI. Date & Time Bypass Ended (estimate if necessary): 8/12/16 3:00 PM

VII. Volume of Wastewater Bypassed (estimate if necessary): 69,000 Gallons

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Fort Bayou

IX. Cause of Bypass: Heavy Rain

X. Temporary Corrective Actions Taken: The City is continuing to rehab the Sewer System Smoke test - manhole lining - pipe lining - point repairs

XI. Cleanup Measures Taken: cleaned up area and put out lime

XII. Permanent Corrective Actions Taken: The City is continuing to rehab the Sewer System Smoke test - manhole lining - pipe lining - point repairs

XIII. Number of Bypasses at this Location in the past 12 months: 13

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 3" inches

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL

1141 BAYVIEW AVE., SUITE 208

BILOXI, MS 39530

PHONE NUMBER: (228) 432-1056

FAX NUMBER: (228) 432-5553

FAXED 8/15/16

E-MAILED 8/15/16 Wastewater Group

Mailed 8/15/16

Entered

PRINT NAME: Johnny Grove

SIGNATURE:

TITLE: Dir of PW

ADDRESS: P.O. Box 1800

Ocean Springs, MS 39566

PHONE NUMBER: 228-875-3955

DATE: 8/12/16

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): Government St. and Twin Oaks

V. Date & Time Bypass Began (estimate if necessary): 8/10/16 3:30 PM

VI. Date & Time Bypass Ended (estimate if necessary): 8/10/16 7:30 PM

VII. Volume of Wastewater Bypassed (estimate if necessary): 48,000 Gallons

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Fort Bayou

IX. Cause of Bypass: Heavy Rain

X. Temporary Corrective Actions Taken: The City is continuing to rehab the sewer system smoke test - manhole lining - pipe lining - point repairs

XI. Cleanup Measures Taken: Cleaned and picked up area and put out lime

XII. Permanent Corrective Actions Taken: The City is continuing to rehab the sewer system smoke test - manhole lining - pipe lining - point repairs

XIII. Number of Bypasses at this Location in the past 12 months: 12

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 6" inches

*Optional: N: _____ W: _____

MAIL TO or FAX:
OFFICE OF POLLUTION CONTROL
1141 BAYVIEW AVE., SUITE 208
BILOXI, MS 39530
PHONE NUMBER: (228) 432-1056
FAX NUMBER: (228) 432-5553

FAXED 8.11.16

E-MAILED 8.11.16

Mailed 8.11.16

ENTERED

PRINT NAME: Johnny Grove
SIGNATURE:
TITLE: Dir of PW
ADDRESS: P.O. Box 1800
Ocean Springs, MS 39566
PHONE NUMBER: 228-875-3955
DATE: 8/10/16

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): White Ave. & Lafitte St.

V. Date & Time Bypass Began (estimate if necessary): 7-22-16 10:00 A.M.

VI. Date & Time Bypass Ended (estimate if necessary): 7-22-16 12:30 P.M.

VII. Volume of Wastewater Bypassed (estimate if necessary): 20,000 Gal.

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): None

IX. Cause of Bypass: Heavy Rain

X. Temporary Corrective Actions Taken: The city is continuing to rehab the sewer system - Smoke test - Pipe lining manhole work - Point Repairs

XI. Cleanup Measures Taken: Cleaned up ground and put back into sewer system

XII. Permanent Corrective Actions Taken: The city is continuing to rehab the sewer system and work with J.C.U.A

XIII. Number of Bypasses at this Location in the past 12 months: 3

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 3.7"

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL
1141 BAYVIEW AVE., SUITE 208
BILOXI, MS 39530
PHONE NUMBER: (228) 432-1056
FAX NUMBER: (228) 432-5553

JCWA E-MAILED 7/25/16

ENTERED

Mailed 7/25/16

FAXED 7/22/16 2:25

PRINT NAME: Johnny Grove

SIGNATURE: [signature]

TITLE: Dir. of PW

ADDRESS: P.O. Box 1800
Ocean Springs, MS 39566

PHONE NUMBER: 228-875-3955

DATE: 7-22-16

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): Pine dr. @ Bridge

V. Date & Time Bypass Began (estimate if necessary): 7-22-16 10:00 A.M.

VI. Date & Time Bypass Ended (estimate if necessary): 7-22-16 12:30 P.M.

VII. Volume of Wastewater Bypassed (estimate if necessary): 5,000 Gal.

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Inner Harbor

IX. Cause of Bypass: Heavy Rain

X. Temporary Corrective Actions Taken: The city is continuing to rehab the sewer system - Smoke test - Pipe lining manhole work - point Repairs

XI. Cleanup Measures Taken: Cleaned ground around manhole and picked up and put lime out

XII. Permanent Corrective Actions Taken: The city is continuing to rehab the sewer system and work with J.C.U.A.

XIII. Number of Bypasses at this Location in the past 12 months: 3

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 3.7"

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL
1141 BAYVIEW AVE., SUITE 208
BILOXI, MS 39530
PHONE NUMBER: (228) 432-1056
FAX NUMBER: (228) 432-5553

JCUA
E-MAILED
72516

ENTERED

Mailed 72516

FAXED
7/22/16
2:25

PRINT NAME: Johnny Grove

SIGNATURE: [signature]

TITLE: Dir of PW

ADDRESS: P.O. Box 1800
Ocean Springs, MS 39566

PHONE NUMBER: 228-875-3955

DATE: 7-22-16

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): Government st. @ Twin Oaks

V. Date & Time Bypass Began (estimate if necessary): 7-22-16 10:30 A.M.

VI. Date & Time Bypass Ended (estimate if necessary):

VII. Volume of Wastewater Bypassed (estimate if necessary):

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Fort Bayou

IX. Cause of Bypass: Heavy Rain

X. Temporary Corrective Actions Taken: The city is continuing to rehab the sewer system - Smoke test - Pipe lining manhole work - Point Repairs

XI. Cleanup Measures Taken: Cleaned up ground around manhole and put lime out on ground

XII. Permanent Corrective Actions Taken: The city is continuing to rehab the sewer system and working w. the J.C.U.A.

XIII. Number of Bypasses at this Location in the past 12 months: 12

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 3.7"

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL

1141 BAYVIEW AVE., SUITE 208

BILOXI, MS 39530

PHONE NUMBER: (228) 432-1056

FAX NUMBER: (228) 432-5553

JCUA

E-MAILED

7/25/16

ENTERED

Mailed 7/25/16

FAXED 7/22/16 2:35

PRINT NAME: Johnny Grove

SIGNATURE:

TITLE: Dir. of Pub

ADDRESS: P.O. Box 1800

Ocean Springs, MS 39566

PHONE NUMBER: 228-875-3955

DATE: 7-22-16

PERSONAL LEAVE REQUEST SLIP

NAME: Gerald Ray Wescovich

DATE/S: 7/26/16 Dr. Appointment

SUPERVISOR'S SIGNATURE: Lloyd Peterson

DIRECTOR OF PUBLIC WORKS SIGNATURE:

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): 1226 King Henry

V. Date & Time Bypass Began (estimate if necessary): 7-6-16 9:00 A.M

VI. Date & Time Bypass Ended (estimate if necessary): 7-6-16 9:30 A.M.

VII. Volume of Wastewater Bypassed (estimate if necessary): 1500

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Ft. Bayou

IX. Cause of Bypass: Lift Station Computer Board Failed

X. Temporary Corrective Actions Taken: Pump Station Down Manually

XI. Cleanup Measures Taken: HTH/Clean area with Fresh water

XII. Permanent Corrective Actions Taken: Fixed Lift station

XIII. Number of Bypasses at this Location in the past 12 months: 0

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 0

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL

1141 BAYVIEW AVE., SUITE 208

BILOXI, MS 39530

PHONE NUMBER: (228) 432-1056

FAX NUMBER: (228) 432-5553

Mailed 7.6.16

7.6.16 FAXED

PRINT NAME: Johnny Grove

SIGNATURE: [signature]

TITLE: Dir of PW

ADDRESS: P.O. Box 1800

Ocean Springs, MS 39566

PHONE NUMBER: 228-875-3955

DATE: 7-6-16

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): Government St and Twin Oaks

V. Date & Time Bypass Began (estimate if necessary): 6/29/16 ?

VI. Date & Time Bypass Ended (estimate if necessary): 6/29/16 ?

VII. Volume of Wastewater Bypassed (estimate if necessary): ?

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Fort Bayou

IX. Cause of Bypass: Heavy Rain

X. Temporary Corrective Actions Taken: The City is continuing to rehab the Sewer System smoke test - manhole lining - pipe lining - Point repairs

XI. Cleanup Measures Taken: cleaned and picked up ground and put lime out

XII. Permanent Corrective Actions Taken: The City is continuing to rehab the Sewer System smoke test - Manhole lining - pipelining - Point repairs

XIII. Number of Bypasses at this Location in the past 12 months: 10

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 1.37"

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL

1141 BAYVIEW AVE., SUITE 208

BILOXI, MS 39530

PHONE NUMBER: (228) 432-1056

FAX NUMBER: (228) 432-5553

ENTERED

Mailed 7.1.16

FAXED 6/30/16 9:15

PRINT NAME: Johnny Grove

SIGNATURE: [signature]

TITLE: Dir of PW

ADDRESS: P.O. Box 1800

Ocean Springs, MS 39566

PHONE NUMBER: 228-875-3955

DATE: 6/30/16

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): 1300 Churchill dr.

V. Date & Time Bypass Began (estimate if necessary): 4-28-16 9:30 A.M.

VI. Date & Time Bypass Ended (estimate if necessary): 4-28-16 2:30 P.M.

VII. Volume of Wastewater Bypassed (estimate if necessary): 15,000 Gallons

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Fort Bayou

IX. Cause of Bypass: Heavy Rain / I & I / Pump Station #11 can't pump out into J.C.U.A. Force main

X. Temporary Corrective Actions Taken: None

XI. Cleanup Measures Taken: Cleaned up ground and put back into manhole Washed drive way off with water truck

XII. Permanent Corrective Actions Taken: City is continue slip lining point Repairs

XIII. Number of Bypasses at this Location in the past 12 months: 3

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 4.7"

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL

1141 BAYVIEW AVE., SUITE 208

BILOXI, MS 39530

PHONE NUMBER: (228) 432-1056

FAX NUMBER: (228) 432-5553

FAXED 5216 712A

ENTERED

E-MAILED 5216 JCUA

PRINT NAME: Johnny Grove

SIGNATURE:

TITLE: Dir of PW

ADDRESS: P.O. Box 1800

Ocean Springs, MS 39566

PHONE NUMBER: 228-875-3955

DATE: 4-29-2016

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): Triangle @ Washington Ave.

V. Date & Time Bypass Began (estimate if necessary): 4-28-16 7:00 A.M.

VI. Date & Time Bypass Ended (estimate if necessary): 4-28-16 10:00 A.M.

VII. Volume of Wastewater Bypassed (estimate if necessary): 50,000 Gallons

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Front Beach

IX. Cause of Bypass: Heavy Rain and Lost Power

X. Temporary Corrective Actions Taken: None lighting and weather to bad unsafe. When was safe to put generator on station. Mississippi power repair power line.

XI. Cleanup Measures Taken: Cleaned around manhole locked good.

XII. Permanent Corrective Actions Taken: Repaired power line

XIII. Number of Bypasses at this Location in the past 12 months: 2

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 4.7"

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL

1141 BAYVIEW AVE., SUITE 208

BILOXI, MS 39530

PHONE NUMBER: (228) 432-1056

FAX NUMBER: (228) 432-5553

ENTERED

FAXED 42916 745A

E-MAILED 5216 JCWA

PRINT NAME: Johnny Grove

SIGNATURE:

TITLE: Dir of PW

ADDRESS: P.O. Box 1800

Ocean Springs, MS 39566

PHONE NUMBER: 228-875-3955

DATE: 4-28-2016

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): Government st. @ Twin Oaks

V. Date & Time Bypass Began (estimate if necessary): 4-28-16 7:30 A.M.

VI. Date & Time Bypass Ended (estimate if necessary): 4-28-16

VII. Volume of Wastewater Bypassed (estimate if necessary):

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Fort Bayou

IX. Cause of Bypass: Heavy Rain/I&I/J.C.U.A. Pump Station #4 Can't pump to Capacity against head Pressure on 24" Force Main

X. Temporary Corrective Actions Taken: None

XI. Cleanup Measures Taken: Clean ground and put back into sewer manhole and put line out

XII. Permanent Corrective Actions Taken: City of Ocean Springs is continuing to slip line and make repairs to the city sewer system and hopefully J.C.U.A. will remove flow off the 24" Force Main

XIII. Number of Bypasses at this Location in the past 12 months: 11

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 4.7"

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL
1141 BAYVIEW AVE., SUITE 208
BILOXI, MS 39530
PHONE NUMBER: (228) 432-1056
FAX NUMBER: (228) 432-5553

ENTERED

FAXED 429116 745A

E-MAILED 5216 JCUA

PRINT NAME: Johnny Grove

SIGNATURE: [signature]

TITLE: Dir of PW

ADDRESS: P.O. Box 1800
Ocean Springs, MS 39566

PHONE NUMBER: 228-875-3955

DATE: 4-28-2016

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): Pine dr. Northside of Bridge

V. Date & Time Bypass Began (estimate if necessary): 4-28-16 8:30 A.M.

VI. Date & Time Bypass Ended (estimate if necessary): 4-28-16 1:00 P.M.

VII. Volume of Wastewater Bypassed (estimate if necessary): 14,000 Gallons

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Inner Harbor

IX. Cause of Bypass: Heavy Rain

X. Temporary Corrective Actions Taken: None

XI. Cleanup Measures Taken: Cleaned up ground around manhole and put back into manhole put line out

XII. Permanent Corrective Actions Taken: City of Ocean Springs is continuing to slip line and make repairs to the sewer system and working with J.C.U.A.

XIII. Number of Bypasses at this Location in the past 12 months: 3

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 4.7"

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL
1141 BAYVIEW AVE., SUITE 208
BILOXI, MS 39530
PHONE NUMBER: (228) 432-1056
FAX NUMBER: (228) 432-5553

ENTERED

FAXED
42916
745A

E-MAILED
52116
JCUA

PRINT NAME: Johnny Grove
SIGNATURE: [signature]
TITLE: Dir of PW
ADDRESS: P.O. Box 1800
Ocean Springs, MS 39566
PHONE NUMBER: 228-875-3955
DATE: 4-28-16

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): Iola Road @ Lovers Lane

V. Date & Time Bypass Began (estimate if necessary): 4-28-2016 9:00 A.M.

VI. Date & Time Bypass Ended (estimate if necessary): 4-28-2016 10:00 A.M.

VII. Volume of Wastewater Bypassed (estimate if necessary): 6,000 Gallons

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Fort Bayou

IX. Cause of Bypass: Heavy Rain and Mississipp Power Problem

X. Temporary Corrective Actions Taken: None

XI. Cleanup Measures Taken: Raked up around Manhole put back into manhole and put lime out

XII. Permanent Corrective Actions Taken: Repaired power

XIII. Number of Bypasses at this Location in the past 12 months: 0

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 4.7"

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL

1141 BAYVIEW AVE., SUITE 208

BILOXI, MS 39530

PHONE NUMBER: (228) 432-1056

FAX NUMBER: (228) 432-5553

ENTERED

FAXED 42916

745A

E-MAILED 52116

JCWA

PRINT NAME: Johnny Grove

SIGNATURE: [signature]

TITLE: Dir of PW

ADDRESS: P.O. Box 1800

Ocean Springs, MS 39566

PHONE NUMBER: 228-875-3955

DATE: 4-28-2016

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): 113 White Ave.

V. Date & Time Bypass Began (estimate if necessary): 4-28-2016 8:30 A.M.

VI. Date & Time Bypass Ended (estimate if necessary): 4-28-2016 1:00 P.M.

VII. Volume of Wastewater Bypassed (estimate if necessary): 35,000 Gallons

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): None

IX. Cause of Bypass: Heavy Rain

X. Temporary Corrective Actions Taken: None

XI. Cleanup Measures Taken: Cleaned ground around Manhole and put back into Manhole

XII. Permanent Corrective Actions Taken: City of Ocean Springs is continuing to do pipe lining and make repairs to the sewer system and working with J.C.U.A.

XIII. Number of Bypasses at this Location in the past 12 months: 3

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 4.7"

*Optional: N: _____ W: _____

MAIL TO or FAX:
OFFICE OF POLLUTION CONTROL
1141 BAYVIEW AVE., SUITE 208
BILOXI, MS 39530
PHONE NUMBER: (228) 432-1056
FAX NUMBER: (228) 432-5553

ENTERED
FAXED
42916
745A
E-MAILED
5216
JCUA

PRINT NAME: Johnny Grove
SIGNATURE:
TITLE: Dir of PW
ADDRESS: P.O. Box 1800
Ocean Springs, MS 39566
PHONE NUMBER: 228-875-3955
DATE: 4-28-2016

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

XED 4.14.16

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Sewer Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): Government st. @ Twin Oaks

V. Date & Time Bypass Began (estimate if necessary): 4-14-16 8:45 A.M.

VI. Date & Time Bypass Ended (estimate if necessary): 4-14-16 1:00 P.M.

VII. Volume of Wastewater Bypassed (estimate if necessary): 7,000 Gallons

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Fort Bayou

IX. Cause of Bypass: Heavy Rain / I & I / J.C.U.A. Pump Station #4 Can't pump to Capacity against head Pressure on 24" Main

X. Temporary Corrective Actions Taken: None

XI. Cleanup Measures Taken: Cleaned ground and put back in to manhole

XII. Permanent Corrective Actions Taken: City of Ocean Springs continuing to Slip line and make repairs to the Sewer System and hopefully JCUA will remove flow from 24" Force Main

XIII. Number of Bypasses at this Location in the past 12 months: 10

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 2.22

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL

1141 BAYVIEW AVE., SUITE 208

BILOXI, MS 39530

PHONE NUMBER: (228) 432-1056

FAX NUMBER: (228) 432-5553

ENTERED

Mailed 4.15.14

JCUA E-MAILED 41516

PRINT NAME: Johnny Grove

SIGNATURE: [signature]

TITLE: Dir of PW

ADDRESS: P.O. Box 1800

Ocean Springs, MS 39566

PHONE NUMBER: 228-875-3955

DATE: 4-14-16

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

ENTERED

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): Government st. & Twin Oaks

V. Date & Time Bypass Began (estimate if necessary): 4-1-16 9:00 A.M.

VI. Date & Time Bypass Ended (estimate if necessary):

VII. Volume of Wastewater Bypassed (estimate if necessary): 10,000 Gallons

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Fort Bayou

IX. Cause of Bypass: Heavy Rain/I&I/JCUA Pump Station #4 Can't Pump to Capacity against head pressure on 24" Force Main

X. Temporary Corrective Actions Taken: None

XI. Cleanup Measures Taken: Cleaned up and Rake area

XII. Permanent Corrective Actions Taken: City of Ocean Springs Continue to Slip line and repairs of sewer system and hope fully JCUA will remove flow from 24" Force Main

XIII. Number of Bypasses at this Location in the past 12 months: 10

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 3.80"

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL
1141 BAYVIEW AVE., SUITE 208
BILOXI, MS 39530
PHONE NUMBER: (228) 432-1056
FAX NUMBER: (228) 432-5553

432-5553
FAXED
4-4-16

MAILED
4-5-16

E-MAILED
4-5-16
JCUA
JGROVE
MBURRELL

PRINT NAME: Johnny Grove
SIGNATURE:
TITLE: Dir of PW
ADDRESS: P.O. Box 1800
Ocean Springs, MS 39566
PHONE NUMBER: 228-875-3955
DATE: 4-4-16

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): 904 Magnolia Bayou Blvd

V. Date & Time Bypass Began (estimate if necessary): 3/31/16 8:55 AM

VI. Date & Time Bypass Ended (estimate if necessary): 3/31/16 10:00 AM

VII. Volume of Wastewater Bypassed (estimate if necessary): 1600 Gallons

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Davis Bayou

IX. Cause of Bypass: Grease in 8" sewer main

X. Temporary Corrective Actions Taken: Unblock 8" main with VAC-CON truck

XI. Cleanup Measures Taken: cleaned area with fresh water and lime area

XII. Permanent Corrective Actions Taken: Ask homeowners not to put grease down line in the neighborhood

XIII. Number of Bypasses at this Location in the past 12 months: 0

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 0

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL

1141 BAYVIEW AVE., SUITE 208

BILOXI, MS 39530

PHONE NUMBER: (228) 432-1056

FAX NUMBER: (228) 432-5553

4325553
FAXED
3.31.16
1223P

MAILED
3-31-16

ENTERED

PRINT NAME: James C. Foster Jr.

SIGNATURE: James C. Foster

TITLE: Assistant Director of Public Works

ADDRESS: P.O. Box 1800
Ocean Springs, MS 39566

PHONE NUMBER: 228-875-3955

DATE:

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 3000 05

III. Bypass Source (i.e. manhole, pump station, etc.): SMH

IV. Physical Address of Source Location (i.e. street, avenue, etc.): Government St and Twin Oaks

V. Date & Time Bypass Began (estimate if necessary): 3/24/16 2:00 pm

VI. Date & Time Bypass Ended (estimate if necessary): 3/24/16 6:00 pm

VII. Volume of Wastewater Bypassed (estimate if necessary): 8,000 gallons

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Fort Bayou

IX. Cause of Bypass: Heavy Rain / I&I / JCUA's Pump Station #2 CANT pump to capacity against head pressure on 24" force main

X. Temporary Corrective Actions Taken: None

XI. Cleanup Measures Taken: Clean up and rake area

XII. Permanent Corrective Actions Taken: City of Ocean Springs continue to slip line and repairs of sewer system and hopefully JCUA will remove flow from 24" force main

XIII. Number of Bypasses at this Location in the past 12 months: 6

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 1.75 in

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL

1141 BAYVIEW AVE., SUITE 208

BILOXI, MS 39530

PHONE NUMBER: (228) 432-1056

FAX NUMBER: (228) 432-5553

432-5553
FAXED
3.28.16 7:30AM

E-MAILED
JCUA 3/28

Mailed
3/28

PRINT NAME: Johnny Grove

SIGNATURE:

TITLE: Dir of PW

ADDRESS: 7274 Pinto Dr
P.O. Box 1800

PHONE NUMBER: 228-875-3455

DATE: 3/28/16

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 3000 OS

III. Bypass Source (i.e. manhole, pump station, etc.): SMH

IV. Physical Address of Source Location (i.e. street, avenue, etc.): Government and Twine Oaks

V. Date & Time Bypass Began (estimate if necessary): 3/11/16 @ 11:15 AM

VI. Date & Time Bypass Ended (estimate if necessary): 3/11/16 @ 3:30 PM

VII. Volume of Wastewater Bypassed (estimate if necessary): 10,000 gallon

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Fort Bayou

IX. Cause of Bypass: Heavy Rain / I & I / Too much Flow and head pressure on JCUA's 24" Force main. JCUA station can't pump against the pressure.

X. Temporary Corrective Actions Taken: NONE

XI. Cleanup Measures Taken: Clean up and rake area - dispose of waste properly and spread lime

XII. Permanent Corrective Actions Taken: City OS Continue slip linning and repairs project and hopefully JCUA will remove flow from 24" Force main

XIII. Number of Bypasses at this Location in the past 12 months: 5

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 2.38"

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL

1141 BAYVIEW AVE., SUITE 208

BILOXI, MS 39530

PHONE NUMBER: (228) 432-1056

FAX NUMBER: (228) 432-5553

OFC Pollution Cont.
FAXED
3.14.16
824A

mailed
3.14.16

3.14.16 E-MAILED JCUA

ENTERED

PRINT NAME: Johnny Grove

SIGNATURE:

TITLE: Dir of PW

ADDRESS: 712-A Pine Dr
P.O. Box 1800

PHONE NUMBER: 228 875-3955

DATE: 3/14/16

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): Government St. & Heron Bayou

V. Date & Time Bypass Began (estimate if necessary): 2-24-16 12:00 A.M.

VI. Date & Time Bypass Ended (estimate if necessary): 2-24-16 8:20 A.M.

VII. Volume of Wastewater Bypassed (estimate if necessary): 25,000

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Heron Bayou

IX. Cause of Bypass: Power Problem

X. Temporary Corrective Actions Taken: Put out HTH. Turned off other pump stations to help stop flow. Call electrician and power company

XI. Cleanup Measures Taken: Cleaned and picked up ~~around~~ around manhole

XII. Permanent Corrective Actions Taken: Replaced motor Saver/ Phase monitor

XIII. Number of Bypasses at this Location in the past 12 months: 1

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? N/A

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL
1141 BAYVIEW AVE., SUITE 208
BILOXI, MS 39530
PHONE NUMBER: (228) 432-1056
FAX NUMBER: (228) 432-5553

FAXED 2-25-16

ENTERED

Mailed 2.25.16

PRINT NAME: James C. Foster Jr.

SIGNATURE: James C. Foster Jr.

TITLE: Assistant Director of Public Works

ADDRESS: P.O. Box 1800
Ocean Springs, MS 39566

PHONE NUMBER: 228-875-3955

DATE: 2-24-16

• DID NOT KNOW

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

ENTERED

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): Government st. @ Twin Oaks

V. Date & Time Bypass Began (estimate if necessary): 1-27-16

VI. Date & Time Bypass Ended (estimate if necessary): 1-27-16

VII. Volume of Wastewater Bypassed (estimate if necessary):

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): Fort Bayon

IX. Cause of Bypass: Heavy Rain

X. Temporary Corrective Actions Taken: The city is continuing to rehab the sewer system, Smoke test - Manhole lining - Pipe lining - Point Repairs

XI. Cleanup Measures Taken: Cleaned and picked up ground and put lime out over ground

XII. Permanent Corrective Actions Taken: The city is continuing to rehab the sewer system, Smoke test - Manhole lining - Pipe Lining - Point Repairs

XIII. Number of Bypasses at this Location in the past 12 months: 10

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 1.18"

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL

1141 BAYVIEW AVE., SUITE 208

BILOXI, MS 39530

Mailed 1.28.16

PHONE NUMBER: (228) 432-1056

FAX NUMBER: (228) 432-5553

PRINT NAME: James C. Foster Jr.

SIGNATURE: James C Foster

TITLE: Assistant Director of Public Works

ADDRESS: P.O. Box 1800

Ocean Springs, MS 39566

PHONE NUMBER: 228-875-3955

DATE: 1-27-16

Ofc. Pol. Control

FAXED

1/27/16

9:50

ENTERED

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): Government St at Twin Oaks

V. Date & Time Bypass Began (estimate if necessary): 1/15/16 2:00 AM

VI. Date & Time Bypass Ended (estimate if necessary): 1/15/16 3:00 AM

VII. Volume of Wastewater Bypassed (estimate if necessary): 10,000

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): None

IX. Cause of Bypass: Rain

X. Temporary Corrective Actions Taken: None

XI. Cleanup Measures Taken: Cleaned up ground Manhole put dirt lime

XII. Permanent Corrective Actions Taken: Ongoing sewer pipe lining, Manhole lining and pump station upgrades

XIII. Number of Bypasses at this Location in the past 12 months: 12

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 1.38 (1)

*Optional: N: _____ W: _____

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL

1141 BAYVIEW AVE., SUITE 208

BILOXI, MS 39530

PHONE NUMBER: (228) 432-1056

FAX NUMBER: (228) 432-5553

1213P
3 FAXED
1-15-16

PRINT NAME: JAMES C. FOSTER JR

SIGNATURE: James C Foster

TITLE: Assistant Director of Public Works

ADDRESS: P.O. Box 1800

Ocean Springs, MS 39566

PHONE NUMBER: 228-875-3955

DATE: 1/15/16

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

ENTERED

I. PERMITTEE NAME: City of Ocean Springs

II. PERMIT NUMBER: 300005

III. Bypass Source (i.e. manhole, pump station, etc.): Manhole

IV. Physical Address of Source Location (i.e. street, avenue, etc.): Government St at Twin Oaks

V. Date & Time Bypass Began (estimate if necessary): 1/3/16 ?

VI. Date & Time Bypass Ended (estimate if necessary): 1/3/16 8:30 AM

VII. Volume of Wastewater Bypassed (estimate if necessary): 15,000 Gallons (estimated)

VIII. State Waters Effected (i.e. river, stream, bayou, lake, etc.): [redacted] Fort Bayou

IX. Cause of Bypass: Rain

X. Temporary Corrective Actions Taken: None

XI. Cleanup Measures Taken: Cleaned up ground Manhole put out lime

XII. Permanent Corrective Actions Taken: Ongoing sewer pipe lining, manhole lining and pump station upgrades

XIII. Number of Bypasses at this Location in the past 12 months: 13

XIV. If Bypass Caused due to Inflow of Rainfall, How Many Inches of Rain Fell in the Area? 1.29" inches

*Optional: N: _____ W: _____

E-MAILED 2-3-16

MAIL TO or FAX:

OFFICE OF POLLUTION CONTROL
1141 BAYVIEW AVE., SUITE 208
BILOXI, MS 39530
PHONE NUMBER: (228) 432-1056
FAX NUMBER: (228) 432-5553

Mailed 2.4.16

432-5553 FAXED 2-3-16 1020 AM

PRINT NAME: JAMES C. FOSTER JR

SIGNATURE: James C Foster

TITLE: Assistant Director of Public Works

ADDRESS: P.O. Box 1800
Ocean Springs, MS 39566

PHONE NUMBER: 228-875-3955

DATE: 1/3/16

APPENDIX E

FINANCIAL CAPACITY FORM

ATTACHMENT 2

FINANCIAL CAPABILITY SUMMARY

Loan Recipient City of Ocean Springs Date June 2017

Project Description Sewer Rehabilitation

The following figures are total estimated costs for construction (includes construction related costs) and operation and maintenance of the proposed facilities. Amounts must agree with the facilities plan. See WPCRLF Reg. Appendix A for allowable cost information.

1. Estimated Construction Costs

Planning/Application Phase Services	$ 33,000.00
Design/Land Acquisition Phase Services	$ 298,000.00
Land/Easements	$ 0.00
Construction	$3,900,000.00
Construction Phase Services	$ 337,000.00
Construction Contingency	$ 390,000.00
Other (_____)	$ 0.00
TOTAL	$4,958,000.00

2. Funding Sources

WPCRLF Loan	$4,958,000.00
Other Loans/Bonds (_____)	$_____
CDBG Grant	$_____
Other Grant (_____)	$_____
Other (_____)	$_____
TOTAL (must equal 1 TOTAL)	$4,958,000.00

3. New Debt Retirement

Financing Method	Amount	Interest Rate	Term of Maturity	Annual Debt Payment
WPCRLF Loan	$4,958,000.00	%1.75	20yrs	$ 295,949.00
Other Loan	$_____	%_____	____yrs	$_____
Bonds	$_____	%_____	____yrs	$_____
Other	$_____	%_____	____yrs	$_____
TOTAL				$ 295,949.00

4. Estimated Annual Operation, Maintenance and Replacement (OM&R) Costs

Annual OM&R (new facilities)	
Labor	$ 0.00
Utilities	$ 4,000.00
Materials	$ 2,000.00
Outside Services	$ 0.00
Equipment Replacement	$ 8,000.00
Miscellaneous	$ 2,000.00
a. Subtotal	$ 16,000.00
b. Existing OM&R (to remain)	$3,301,408.90
c. TOTAL OM&R (4.a+4.b)	$3,317,408.90

5. Total Estimated Annual Costs

Existing Debt Service	
RUS (formerly FmHA)	$
Other	$ 63,465.84
New Facilities Debt Service (from 3)	$ 295,949.00
Total Annual OM&R (from 4.c)	$3,317,408.90
TOTAL	$3,676,823.74

6. User Charges

Existing Monthly Rates **(PLEASE REFER TO ATTACHED UTILITY RATE SHEET FOR CURRENT RATES)**

Usage	Class 1	Class 2
Up to 999 gallons (Flat Fee)	$11.16	$10.83
1000 and Over	$11.16 + $4.30/1000 gal	$10.83 + $4.18/1000 gal

Existing Revenue

	Avg. Use (1000 gal/mo)	Avg. Bill ($/mo)	No. of Users	Revenue ($/mo)
Class 1	4.58	$ 30.85	7,415	$ 228,752.75
Class 2	9.93	$ 52.34	799	41,819.66
Class 3				
Subtotal				$ 270,572.41
ANNUAL TOTAL (Revenue Subtotal x 12)				$3,246,868.92

Proposed Monthly Rates (if increase is proposed) – **(PLEASE REFER TO ATTACHED UTILITY RATE SHEET FOR PROPOSED RATES)**

Usage	Class 1	Class 2
Up to 999 gal (Flat Fee)	$11.84	$11.49
1,000 and Over	$11.84 + $4.56/1000 gal	$11.49 + $4.43/1000 gal

Proposed Revenue

Avg. Use (1000 gal/mo)	Avg. Bill ($/mo)	No. of Users	Revenue ($/mo)
Class 1 4.58	$ 32.72	7,415	$ 242,618.80
Class 2 9.93	$ 55.46	799	44,312.54
Class 3	$		
Subtotal			$ 286,931.34

ANNUAL TOTAL (Revenue Subtotal x 12) $3,443,176.08

7. Sources of Annual Revenue

User Charges (6.c TOTAL)	$ 3,443,176.08
Property Taxes	$
Connection Fees	$
Other (Subsidization from Water)	$ 295,000.00
TOTAL (must exceed 5 TOTAL)	$ 3,738,176.08

8. Annual User Charge Per Household and High Cost Comparison

a. Total annual user charges (6.c TOTAL)	$3,443,176.08
b. Non-residential share of total	$ 531,750.48
c. Residential share of total (8.a-8.b)	$2,911,425.60
d. Existing households to be served	7,415
e. Average per household (8.c/8.d)	$ 392.64
f. Median household income	$ 53,495.00
Percentage (8.e/8.f x 100)	0.73%
High cost threshold* for community	1.75%
Is this a high cost project?	No

*A project is considered high cost if the average total annual sewer bill per household (including all OM&R and debt retirement costs) exceeds the following thresholds: 1% of the community's Median Household Income (MHI) where the MHI is <$10,000, 1.5% for $10,000 to $17,000, and 1.75% for MHI > $17,000.

RESIDENTIAL MONTHLY BILLING CHARGES- as of OCT 31, 2016

1000 GALLONS	WATER	SEWER	GARBAGE	TOTAL
0	$11.16	$11.16	$14.00	$36.32
1	$11.16	$15.46	$14.00	$40.62
2	$11.16	$19.77	$14.00	$44.93
3	$11.16	$24.07	$14.00	$49.23
4	$13.60	$28.38	$14.00	$55.98
5	$16.03	$32.68	$14.00	$62.71
6	$18.47	$36.99	$14.00	$69.46
7	$20.90	$41.29	$14.00	$76.19
8	$23.34	$45.60	$14.00	$82.94
9	$25.77	$49.90	$14.00	$89.67
10	$28.21	$54.21	$14.00	$96.42
11	$30.64	$58.51	$14.00	$103.16
12	$33.08	$62.82	$14.00	$109.90
13	$35.51	$67.13	$14.00	$116.64
14	$37.96	$71.43	$14.00	$123.39
15	$40.39	$75.74	$14.00	$130.12
16	$42.83	$80.04	$14.00	$136.87
17	$45.26	$84.35	$14.00	$143.60
18	$47.70	$88.65	$14.00	$150.35
19	$50.13	$92.96	$14.00	$157.09
20	$52.57	$97.26	$14.00	$163.83
21	$55.00	$101.57	$14.00	$170.57
22	$57.44	$105.87	$14.00	$177.32
23	$59.87	$110.18	$14.00	$184.05
24	$62.32	$114.48	$14.00	$190.80
25	$64.75	$118.79	$14.00	$197.54
26	$67.19	$123.10	$14.00	$204.28
27	$69.62	$127.40	$14.00	$211.02
28	$72.06	$131.71	$14.00	$217.76
29	$74.49	$136.01	$14.00	$224.50
30	$76.93	$140.32	$14.00	$231.25
31	$79.36	$144.62	$14.00	$237.98
32	$81.80	$148.93	$14.00	$244.73
33	$84.23	$153.23	$14.00	$251.47
34	$86.67	$157.54	$14.00	$258.21
35	$89.11	$161.84	$14.00	$264.95
36	$91.55	$166.15	$14.00	$271.70
37	$93.98	$170.45	$14.00	$278.43
38	$96.42	$174.76	$14.00	$285.18
39	$98.85	$179.07	$14.00	$291.91
40	$101.32	$183.37	$14.00	$298.69
41	$103.72	$187.68	$14.00	$305.40
42	$106.16	$191.98	$14.00	$312.14
43	$108.59	$196.29	$14.00	$318.88
44	$111.03	$200.59	$14.00	$325.63
45	$113.46	$204.90	$14.00	$332.36
46	$115.91	$209.20	$14.00	$339.11
47	$118.34	$213.51	$14.00	$345.85
48	$120.78	$217.81	$14.00	$352.59
49	$123.21	$222.12	$14.00	$359.33
50	$125.65	$226.42	$14.00	$366.07
51	$128.08	$230.73	$14.00	$372.81
52	$130.52	$235.04	$14.00	$379.56
53	$132.95	$239.34	$14.00	$386.29
54	$135.39	$243.65	$14.00	$393.04
55	$137.82	$247.95	$14.00	$399.78
56	$140.27	$252.26	$14.00	$406.52
57	$142.70	$256.56	$14.00	$413.26
58	$145.14	$260.87	$14.00	$420.01

59	$147.57	$265.17	$14.00	$426.74
60	$150.01	$269.68	$14.00	$433.69
61	$152.44	$273.78	$14.00	$440.22
62	$154.88	$278.09	$14.00	$446.97
63	$157.31	$282.40	$14.00	$453.71
64	$159.75	$286.70	$14.00	$460.45
65	$162.18	$291.01	$14.00	$467.19
66	$164.62	$295.31	$14.00	$473.94
67	$167.06	$299.62	$14.00	$480.67
68	$169.50	$303.92	$14.00	$487.42
69	$171.93	$308.23	$14.00	$494.16
70	$167.06	$312.53	$14.00	$493.59
71	$176.80	$316.84	$14.00	$507.64
72	$179.24	$321.14	$14.00	$514.38
73	$181.67	$325.45	$14.00	$521.12
74	$184.11	$329.75	$14.00	$527.87
75	$189.63	$334.06	$14.00	$537.69
76	$188.98	$338.37	$14.00	$541.35
77	$191.42	$342.67	$14.00	$548.09
78	$193.86	$346.98	$14.00	$554.83
79	$196.44	$351.28	$14.00	$561.72
80	$198.73	$355.59	$14.00	$568.32
81	$201.16	$359.89	$14.00	$575.05
82	$203.60	$364.20	$14.00	$581.80
83	$206.03	$368.50	$14.00	$588.53
84	$208.47	$372.81	$14.00	$595.28
85	$210.90	$377.11	$14.00	$602.02
86	$213.34	$381.23	$14.00	$608.58
87	$215.77	$385.72	$14.00	$615.50
88	$218.22	$390.03	$14.00	$622.25
89	$220.65	$394.34	$14.00	$628.98
90	$223.09	$398.64	$14.00	$635.73
91	$225.52	$402.95	$14.00	$642.46
92	$227.96	$407.25	$14.00	$649.21
93	$230.39	$411.56	$14.00	$655.95
94	$232.83	$415.86	$14.00	$662.69
95	$235.26	$420.17	$14.00	$669.43
96	$237.70	$424.47	$14.00	$676.18
97	$240.13	$428.78	$14.00	$682.91
98	$242.58	$433.08	$14.00	$689.66
99	$245.01	$437.39	$14.00	$696.40
100	$247.45	$441.69	$14.00	$703.14
101	$249.88	$446.00	$14.00	$709.88
102	$252.32	$450.31	$14.00	$716.62
103	$254.75	$454.61	$14.00	$723.36
104	$257.19	$458.92	$14.00	$730.11
105	$259.62	$463.22	$14.00	$736.84
106	$262.06	$467.53	$14.00	$743.59
107	$264.49	$471.83	$14.00	$750.33
108	$266.93	$476.14	$14.00	$757.07
109	$269.37	$480.44	$14.00	$763.81
110	$271.81	$484.75	$14.00	$770.56
111	$274.24	$489.05	$14.00	$777.29
112	$276.68	$493.36	$14.00	$784.04
113	$279.11	$497.67	$14.00	$790.77
114	$281.55	$501.97	$14.00	$797.52
115	$283.98	$506.28	$14.00	$804.26
116	$286.42	$510.58	$14.00	$811.00
117	$288.85	$514.89	$14.00	$817.74
118	$291.29	$519.19	$14.00	$824.49
119	$293.73	$523.50	$14.00	$831.22
120	$296.17	$527.80	$14.00	$837.97

121	$298.60	$532.11	$14.00	$844.71
122	$301.04	$536.41	$14.00	$851.45
123	$303.47	$540.72	$14.00	$858.19
124	$305.91	$545.02	$14.00	$864.93
125	$308.34	$549.33	$14.00	$871.67
126	$310.78	$553.64	$14.00	$878.42
127	$313.21	$557.94	$14.00	$885.15
128	$315.65	$562.25	$14.00	$891.90
129	$318.08	$566.55	$14.00	$898.64
130	$320.53	$570.86	$14.00	$905.38
131	$322.96	$575.16	$14.00	$912.12
132	$325.40	$579.47	$14.00	$918.87
133	$327.83	$583.77	$14.00	$925.60
134	$330.27	$588.08	$14.00	$932.35
135	$326.24	$592.38	$14.00	$932.62
136	$335.14	$596.69	$14.00	$945.83
137	$337.57	$600.99	$14.00	$952.57
138	$340.01	$605.30	$14.00	$959.31
139	$342.44	$609.61	$14.00	$966.05
140	$344.89	$613.91	$14.00	$972.80
141	$347.32	$618.22	$14.00	$979.53
142	$349.76	$622.52	$14.00	$986.28
143	$352.19	$626.83	$14.00	$993.02
144	$354.63	$631.13	$14.00	$999.76
145	$357.06	$635.44	$14.00	$1,006.50
146	$359.50	$639.74	$14.00	$1,013.24
147	$361.93	$644.05	$14.00	$1,019.98
148	$364.37	$648.35	$14.00	$1,026.73
149	$366.80	$652.66	$14.00	$1,033.46
150	$369.24	$656.96	$14.00	$1,040.21
151	$371.68	$661.27	$14.00	$1,046.95
152	$374.12	$665.58	$14.00	$1,053.69
153	$376.55	$669.88	$14.00	$1,060.43
154	$378.99	$674.19	$14.00	$1,067.18
155	$381.42	$678.49	$14.00	$1,073.91
156	$383.86	$682.80	$14.00	$1,080.66
157	$386.29	$687.10	$14.00	$1,087.39
158	$388.73	$691.41	$14.00	$1,094.14
159	$391.16	$695.71	$14.00	$1,100.88
160	$393.60	$700.02	$14.00	$1,107.62
161	$396.04	$704.32	$14.00	$1,114.36
162	$398.48	$708.63	$14.00	$1,121.11
163	$400.91	$712.94	$14.00	$1,127.84
164	$403.35	$717.24	$14.00	$1,134.59
165	$405.78	$721.55	$14.00	$1,141.32
166	$408.22	$725.85	$14.00	$1,148.07
167	$410.65	$730.16	$14.00	$1,154.81
168	$413.09	$734.46	$14.00	$1,161.55
169	$415.52	$738.77	$14.00	$1,168.29
170	$417.96	$743.07	$14.00	$1,175.04
171	$420.39	$747.38	$14.00	$1,181.77
172	$422.84	$751.68	$14.00	$1,188.52
173	$425.27	$755.99	$14.00	$1,195.26
174	$427.71	$760.29	$14.00	$1,202.00
175	$430.14	$764.60	$14.00	$1,208.74
176	$432.58	$768.91	$14.00	$1,215.48
177	$435.01	$773.21	$14.00	$1,222.22
178	$437.45	$777.52	$14.00	$1,228.97
179	$439.88	$781.82	$14.00	$1,235.70
180	$442.32	$786.13	$14.00	$1,242.45
181	$444.75	$790.43	$14.00	$1,249.19
182	$447.18	$794.74	$14.00	$1,255.92

183	$449.63	$799.04	$14.00	$1,262.67
184	$452.07	$803.35	$14.00	$1,269.42
185	$454.50	$807.65	$14.00	$1,276.15
186	$456.94	$811.96	$14.00	$1,282.90
187	$459.37	$816.26	$14.00	$1,289.63
188	$461.81	$820.57	$14.00	$1,296.38
189	$464.24	$824.88	$14.00	$1,303.12
190	$466.68	$829.18	$14.00	$1,309.86
191	$469.11	$833.49	$14.00	$1,316.60
192	$471.55	$837.79	$14.00	$1,323.35
193	$473.99	$842.10	$14.00	$1,330.08
194	$476.43	$846.40	$14.00	$1,336.83
195	$478.86	$850.71	$14.00	$1,343.57
196	$481.30	$855.01	$14.00	$1,350.31
197	$483.73	$859.32	$14.00	$1,357.05
198	$486.17	$863.62	$14.00	$1,363.79
199	$488.60	$867.93	$14.00	$1,370.53
200	$491.04	$872.23	$14.00	$1,377.28

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
0	$21.63	$1.51	$23.14	$10.83	$14.00	$47.97
1	$21.63	$1.51	$23.14	$15.01	$14.00	$52.15
2	$21.63	$1.51	$23.14	$19.19	$14.00	$56.33
3	$21.63	$1.51	$23.14	$23.37	$14.00	$60.51
4	$24.06	$1.68	$25.74	$27.55	$14.00	$67.29
5	$26.50	$1.86	$28.36	$31.73	$14.00	$74.09
6	$28.93	$2.03	$30.96	$35.91	$14.00	$80.87
7	$31.37	$2.20	$33.57	$40.09	$14.00	$87.66
8	$33.80	$2.37	$36.17	$44.27	$14.00	$94.44
9	$36.25	$2.54	$38.78	$48.45	$14.00	$101.23
10	$38.68	$2.71	$41.38	$52.63	$14.00	$108.01
11	$41.12	$2.88	$44.00	$56.81	$14.00	$114.81
12	$43.55	$3.05	$46.60	$60.99	$14.00	$121.59
13	$45.99	$3.22	$49.21	$65.17	$14.00	$128.38
14	$48.42	$3.39	$51.81	$69.35	$14.00	$135.16
15	$50.86	$3.56	$54.42	$73.53	$14.00	$141.95
16	$53.29	$3.73	$57.02	$77.71	$14.00	$148.73
17	$55.73	$3.90	$59.63	$81.89	$14.00	$155.52
18	$58.16	$4.07	$62.24	$86.07	$14.00	$162.31
19	$60.61	$4.24	$64.85	$90.25	$14.00	$169.10
20	$63.04	$4.41	$67.45	$94.43	$14.00	$175.88
21	$65.48	$4.58	$70.06	$98.61	$14.00	$182.67
22	$67.91	$4.75	$72.66	$102.79	$14.00	$189.45
23	$70.35	$4.92	$75.27	$106.97	$14.00	$196.24
24	$72.78	$5.09	$77.87	$111.15	$14.00	$203.02
25	$75.22	$5.27	$80.49	$115.33	$14.00	$209.82
26	$77.65	$5.44	$83.09	$119.51	$14.00	$216.60
27	$80.09	$5.61	$85.70	$123.69	$14.00	$223.39
28	$82.52	$5.78	$88.30	$127.87	$14.00	$230.17
29	$84.96	$5.95	$90.91	$132.05	$14.00	$236.96
30	$87.40	$6.12	$93.51	$136.23	$14.00	$243.74
31	$89.84	$6.29	$96.13	$140.41	$14.00	$250.54
32	$92.27	$6.46	$98.73	$144.59	$14.00	$257.32
33	$94.71	$6.63	$101.34	$148.77	$14.00	$264.11
34	$97.14	$6.80	$103.94	$152.95	$14.00	$270.89
35	$99.58	$6.97	$106.55	$157.13	$14.00	$277.68
36	$102.01	$7.14	$109.15	$161.31	$14.00	$284.46
37	$104.45	$7.31	$111.76	$165.49	$14.00	$291.25
38	$106.88	$7.48	$114.36	$169.67	$14.00	$298.03
39	$109.32	$7.65	$116.98	$173.85	$14.00	$304.83
40	$111.76	$7.82	$119.58	$178.03	$14.00	$311.61
41	$114.20	$7.99	$122.19	$182.21	$14.00	$318.40
42	$116.63	$8.16	$124.79	$186.39	$14.00	$325.18
43	$119.07	$8.33	$127.40	$190.57	$14.00	$331.97
44	$121.50	$8.50	$130.00	$194.75	$14.00	$338.75
45	$123.94	$8.68	$132.62	$198.93	$14.00	$345.55
46	$126.37	$8.85	$135.22	$203.11	$14.00	$352.33
47	$128.81	$9.02	$137.83	$207.29	$14.00	$359.12
48	$131.24	$9.19	$140.43	$211.47	$14.00	$365.90

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
49	$133.68	$9.36	$143.04	$215.65	$14.00	$372.69
50	$136.11	$9.53	$145.64	$219.83	$14.00	$379.47
51	$138.56	$9.70	$148.25	$224.01	$14.00	$386.26
52	$140.99	$9.87	$150.86	$228.19	$14.00	$393.05
53	$143.43	$10.04	$153.47	$232.37	$14.00	$399.84
54	$145.86	$10.21	$156.07	$236.55	$14.00	$406.62
55	$148.30	$10.38	$158.68	$240.73	$14.00	$413.41
56	$150.73	$10.55	$161.28	$244.91	$14.00	$420.19
57	$153.17	$10.72	$163.89	$249.09	$14.00	$426.98
58	$155.60	$10.89	$166.49	$253.27	$14.00	$433.76
59	$158.04	$11.06	$169.11	$257.45	$14.00	$440.56
60	$160.47	$11.23	$171.71	$261.63	$14.00	$447.34
61	$162.92	$11.40	$174.32	$265.81	$14.00	$454.13
62	$165.35	$11.57	$176.92	$269.99	$14.00	$460.91
63	$167.79	$11.75	$179.53	$274.17	$14.00	$467.70
64	$170.22	$11.92	$182.13	$278.35	$14.00	$474.48
65	$172.66	$12.09	$184.75	$282.53	$14.00	$481.28
66	$175.09	$12.26	$187.35	$286.71	$14.00	$488.06
67	$177.53	$12.43	$189.96	$290.89	$14.00	$494.85
68	$179.96	$12.60	$192.56	$295.07	$14.00	$501.63
69	$182.40	$12.77	$195.17	$299.25	$14.00	$508.42
70	$184.83	$12.94	$197.77	$303.43	$14.00	$515.20
71	$187.27	$13.11	$200.38	$307.61	$14.00	$521.99
72	$189.71	$13.28	$202.98	$311.79	$14.00	$528.77
73	$192.15	$13.45	$205.60	$315.97	$14.00	$535.57
74	$194.58	$13.62	$208.20	$320.15	$14.00	$542.35
75	$197.02	$13.79	$210.81	$324.33	$14.00	$549.14
76	$199.45	$13.96	$213.41	$328.51	$14.00	$555.92
77	$201.89	$14.13	$216.02	$332.69	$14.00	$562.71
78	$204.32	$14.30	$218.62	$336.87	$14.00	$569.49
79	$206.76	$14.47	$221.24	$341.05	$14.00	$576.29
80	$209.19	$14.64	$223.84	$345.23	$14.00	$583.07
81	$211.63	$14.81	$226.45	$349.41	$14.00	$589.86
82	$214.06	$14.98	$229.05	$353.59	$14.00	$596.64
83	$216.51	$15.16	$231.66	$357.77	$14.00	$603.43
84	$218.94	$15.33	$234.26	$361.95	$14.00	$610.21
85	$221.38	$15.50	$236.87	$366.13	$14.00	$617.00
86	$223.81	$15.67	$239.48	$370.31	$14.00	$623.79
87	$226.25	$15.84	$242.09	$374.49	$14.00	$630.58
88	$228.68	$16.01	$244.69	$378.67	$14.00	$637.36
89	$231.12	$16.18	$247.30	$382.85	$14.00	$644.15
90	$233.55	$16.35	$249.90	$387.03	$14.00	$650.93
91	$235.99	$16.52	$252.51	$391.21	$14.00	$657.72
92	$238.42	$16.69	$255.11	$395.39	$14.00	$664.50
93	$240.87	$16.86	$257.73	$399.57	$14.00	$671.30
94	$243.30	$17.03	$260.33	$403.75	$14.00	$678.08
95	$245.74	$17.20	$262.94	$407.93	$14.00	$684.87

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
96	$248.17	$17.37	$265.54	$412.11	$14.00	$691.65
97	$250.61	$17.54	$268.15	$416.29	$14.00	$698.44
98	$253.04	$17.71	$270.75	$420.47	$14.00	$705.22
99	$255.48	$17.88	$273.36	$424.65	$14.00	$712.01
100	$257.91	$18.05	$275.97	$428.83	$14.00	$718.80
101	$260.35	$18.22	$278.58	$433.01	$14.00	$725.59
102	$262.78	$18.39	$281.18	$437.19	$14.00	$732.37
103	$265.23	$18.57	$283.79	$441.37	$14.00	$739.16
104	$267.66	$18.74	$286.39	$445.55	$14.00	$745.94
105	$270.10	$18.91	$289.00	$449.73	$14.00	$752.73
106	$272.53	$19.08	$291.60	$453.91	$14.00	$759.51
107	$274.97	$19.25	$294.22	$458.09	$14.00	$766.31
108	$277.40	$19.42	$296.82	$462.27	$14.00	$773.09
109	$279.84	$19.59	$299.43	$466.45	$14.00	$779.88
110	$282.27	$19.76	$302.03	$470.63	$14.00	$786.66
111	$284.71	$19.93	$304.64	$474.81	$14.00	$793.45
112	$287.14	$20.10	$307.24	$478.99	$14.00	$800.23
113	$289.58	$20.27	$309.86	$483.17	$14.00	$807.03
114	$292.02	$20.44	$312.46	$487.35	$14.00	$813.81
115	$294.46	$20.61	$315.07	$491.53	$14.00	$820.60
116	$296.89	$20.78	$317.67	$495.71	$14.00	$827.38
117	$299.33	$20.95	$320.28	$499.89	$14.00	$834.17
118	$301.76	$21.12	$322.88	$504.07	$14.00	$840.95
119	$304.20	$21.29	$325.49	$508.25	$14.00	$847.74
120	$306.63	$21.46	$328.10	$512.43	$14.00	$854.53
121	$309.07	$21.64	$330.71	$516.61	$14.00	$861.32
122	$311.50	$21.81	$333.31	$520.79	$14.00	$868.10
123	$313.94	$21.98	$335.92	$524.97	$14.00	$874.89
124	$316.37	$22.15	$338.52	$529.15	$14.00	$881.67
125	$318.82	$22.32	$341.13	$533.33	$14.00	$888.46
126	$321.25	$22.49	$343.73	$537.51	$14.00	$895.24
127	$323.69	$22.66	$346.35	$541.69	$14.00	$902.04
128	$326.12	$22.83	$348.95	$545.87	$14.00	$908.82
129	$328.56	$23.00	$351.56	$550.05	$14.00	$915.61
130	$330.99	$23.17	$354.16	$554.23	$14.00	$922.39
131	$333.43	$23.34	$356.77	$558.41	$14.00	$929.18
132	$335.86	$23.51	$359.37	$562.59	$14.00	$935.96
133	$338.30	$23.68	$361.98	$566.77	$14.00	$942.75
134	$340.73	$23.85	$364.59	$570.95	$14.00	$949.54
135	$343.18	$24.02	$367.20	$575.13	$14.00	$956.33
136	$345.61	$24.19	$369.80	$579.31	$14.00	$963.11
137	$348.05	$24.36	$372.41	$583.49	$14.00	$969.90
138	$350.48	$24.53	$375.01	$587.67	$14.00	$976.68
139	$352.92	$24.70	$377.62	$591.85	$14.00	$983.47
140	$355.35	$24.87	$380.22	$596.03	$14.00	$990.25
141	$357.79	$25.05	$382.84	$600.21	$14.00	$997.05
142	$360.22	$25.22	$385.44	$604.39	$14.00	$1,003.83

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
143	$362.66	$25.39	$388.05	$608.57	$14.00	$1,010.62
144	$365.09	$25.56	$390.65	$612.75	$14.00	$1,017.40
145	$367.53	$25.73	$393.26	$616.93	$14.00	$1,024.19
146	$369.97	$25.90	$395.86	$621.11	$14.00	$1,030.97
147	$372.41	$26.07	$398.48	$625.29	$14.00	$1,037.77
148	$374.84	$26.24	$401.08	$629.47	$14.00	$1,044.55
149	$377.28	$26.41	$403.69	$633.65	$14.00	$1,051.34
150	$379.71	$26.58	$406.29	$637.83	$14.00	$1,058.12
151	$382.15	$26.75	$408.90	$642.01	$14.00	$1,064.91
152	$384.58	$26.92	$411.50	$646.19	$14.00	$1,071.69
153	$387.02	$27.09	$414.11	$650.37	$14.00	$1,078.48
154	$389.45	$27.26	$416.72	$654.55	$14.00	$1,085.27
155	$391.89	$27.43	$419.33	$658.73	$14.00	$1,092.06
156	$394.33	$27.60	$421.93	$662.91	$14.00	$1,098.84
157	$396.77	$27.77	$424.54	$667.09	$14.00	$1,105.63
158	$399.20	$27.94	$427.14	$671.27	$14.00	$1,112.41
159	$401.64	$28.11	$429.75	$675.45	$14.00	$1,119.20
160	$404.07	$28.28	$432.35	$679.63	$14.00	$1,125.98
161	$406.51	$28.46	$434.97	$683.81	$14.00	$1,132.78
162	$408.94	$28.63	$437.57	$687.99	$14.00	$1,139.56
163	$411.38	$28.80	$440.18	$692.17	$14.00	$1,146.35
164	$413.81	$28.97	$442.78	$696.35	$14.00	$1,153.13
165	$416.25	$29.14	$445.39	$700.53	$14.00	$1,159.92
166	$418.68	$29.31	$447.99	$704.71	$14.00	$1,166.70
167	$421.13	$29.48	$450.60	$708.89	$14.00	$1,173.49
168	$423.56	$29.65	$453.21	$713.07	$14.00	$1,180.28
169	$426.00	$29.82	$455.82	$717.25	$14.00	$1,187.07
170	$428.43	$29.99	$458.42	$721.43	$14.00	$1,193.85
171	$430.87	$30.16	$461.03	$725.61	$14.00	$1,200.64
172	$433.30	$30.33	$463.63	$729.79	$14.00	$1,207.42
173	$435.74	$30.50	$466.24	$733.97	$14.00	$1,214.21
174	$438.17	$30.67	$468.84	$738.15	$14.00	$1,220.99
175	$440.61	$30.84	$471.46	$742.33	$14.00	$1,227.79
176	$443.04	$31.01	$474.06	$746.51	$14.00	$1,234.57
177	$445.49	$31.18	$476.67	$750.69	$14.00	$1,241.36
178	$447.92	$31.35	$479.27	$754.87	$14.00	$1,248.14
179	$450.36	$31.53	$481.88	$759.05	$14.00	$1,254.93
180	$452.79	$31.70	$484.48	$763.23	$14.00	$1,261.71
181	$455.23	$31.87	$487.10	$767.41	$14.00	$1,268.51
182	$457.66	$32.04	$489.70	$771.59	$14.00	$1,275.29
183	$460.10	$32.21	$492.31	$775.77	$14.00	$1,282.08
184	$462.53	$32.38	$494.91	$779.95	$14.00	$1,288.86
185	$464.97	$32.55	$497.52	$784.13	$14.00	$1,295.65
186	$467.40	$32.72	$500.12	$788.31	$14.00	$1,302.43
187	$469.84	$32.89	$502.73	$792.49	$14.00	$1,309.22
188	$472.28	$33.06	$505.33	$796.67	$14.00	$1,316.00
189	$474.72	$33.23	$507.95	$800.85	$14.00	$1,322.80

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
190	$477.15	$33.40	$510.55	$805.03	$14.00	$1,329.58
191	$479.59	$33.57	$513.16	$809.21	$14.00	$1,336.37
192	$482.02	$33.74	$515.76	$813.39	$14.00	$1,343.15
193	$484.46	$33.91	$518.37	$817.57	$14.00	$1,349.94
194	$486.89	$34.08	$520.97	$821.75	$14.00	$1,356.72
195	$489.33	$34.25	$523.59	$825.93	$14.00	$1,363.52
196	$491.76	$34.42	$526.19	$830.11	$14.00	$1,370.30
197	$494.20	$34.59	$528.80	$834.29	$14.00	$1,377.09
198	$496.64	$34.76	$531.40	$838.47	$14.00	$1,383.87
199	$499.08	$34.94	$534.01	$842.65	$14.00	$1,390.66
200	$501.51	$35.11	$536.61	$846.83	$14.00	$1,397.44
201	$503.95	$35.28	$539.22	$851.01	$14.00	$1,404.23
202	$506.38	$35.45	$541.83	$855.19	$14.00	$1,411.02
203	$508.82	$35.62	$544.44	$859.37	$14.00	$1,417.81
204	$511.25	$35.79	$547.04	$863.55	$14.00	$1,424.59
205	$513.68	$35.96	$549.64	$867.73	$14.00	$1,431.37
206	$516.12	$36.13	$552.25	$871.91	$14.00	$1,438.16
207	$518.56	$36.30	$554.86	$876.09	$14.00	$1,444.95
208	$520.99	$36.47	$557.46	$880.27	$14.00	$1,451.73
209	$523.44	$36.64	$560.08	$884.45	$14.00	$1,458.53
210	$525.87	$36.81	$562.68	$888.63	$14.00	$1,465.31
211	$528.31	$36.98	$565.29	$892.81	$14.00	$1,472.10
212	$530.74	$37.15	$567.89	$896.99	$14.00	$1,478.88
213	$533.18	$37.32	$570.50	$901.17	$14.00	$1,485.67
214	$535.61	$37.49	$573.10	$905.35	$14.00	$1,492.45
215	$538.05	$37.66	$575.71	$909.53	$14.00	$1,499.24
216	$540.48	$37.83	$578.32	$913.71	$14.00	$1,506.03
217	$542.92	$38.00	$580.93	$917.89	$14.00	$1,512.82
218	$545.35	$38.17	$583.53	$922.07	$14.00	$1,519.60
219	$547.80	$38.35	$586.14	$926.25	$14.00	$1,526.39
220	$550.23	$38.52	$588.74	$930.43	$14.00	$1,533.17
221	$552.67	$38.69	$591.35	$934.61	$14.00	$1,539.96
222	$555.10	$38.86	$593.95	$938.79	$14.00	$1,546.74
223	$557.54	$39.03	$596.57	$942.97	$14.00	$1,553.54
224	$559.97	$39.20	$599.17	$947.15	$14.00	$1,560.32
225	$562.41	$39.37	$601.78	$951.33	$14.00	$1,567.11
226	$564.84	$39.54	$604.38	$955.51	$14.00	$1,573.89
227	$567.28	$39.71	$606.99	$959.69	$14.00	$1,580.68
228	$569.71	$39.88	$609.59	$963.87	$14.00	$1,587.46
229	$572.15	$40.05	$612.21	$968.05	$14.00	$1,594.26
230	$574.59	$40.22	$614.81	$972.23	$14.00	$1,601.04
231	$577.03	$40.39	$617.42	$976.41	$14.00	$1,607.83
232	$579.46	$40.56	$620.02	$980.59	$14.00	$1,614.61
233	$581.90	$40.73	$622.63	$984.77	$14.00	$1,621.40
234	$584.33	$40.90	$625.23	$988.95	$14.00	$1,628.18
235	$586.77	$41.07	$627.84	$993.13	$14.00	$1,634.97
236	$589.20	$41.24	$630.45	$997.31	$14.00	$1,641.76

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
237	$591.64	$41.41	$633.06	$1,001.49	$14.00	$1,648.55
238	$594.07	$41.59	$635.66	$1,005.67	$14.00	$1,655.33
239	$596.51	$41.76	$638.27	$1,009.85	$14.00	$1,662.12
240	$598.95	$41.93	$640.87	$1,014.03	$14.00	$1,668.90
241	$601.08	$42.08	$643.15	$1,018.21	$14.00	$1,675.36
242	$603.82	$42.27	$646.08	$1,022.39	$14.00	$1,682.47
243	$606.26	$42.44	$648.70	$1,026.57	$14.00	$1,689.27
244	$608.69	$42.61	$651.30	$1,030.75	$14.00	$1,696.05
245	$611.13	$42.78	$653.91	$1,034.93	$14.00	$1,702.84
246	$613.56	$42.95	$656.51	$1,039.11	$14.00	$1,709.62
247	$616.00	$43.12	$659.12	$1,043.29	$14.00	$1,716.41
248	$618.43	$43.29	$661.72	$1,047.47	$14.00	$1,723.19
249	$620.87	$43.46	$664.33	$1,051.65	$14.00	$1,729.98
250	$623.30	$43.63	$666.94	$1,055.83	$14.00	$1,736.77
251	$625.75	$43.80	$669.55	$1,060.01	$14.00	$1,743.56
252	$628.18	$43.97	$672.15	$1,064.19	$14.00	$1,750.34
253	$630.62	$44.14	$674.76	$1,068.37	$14.00	$1,757.13
254	$633.05	$44.31	$677.36	$1,072.55	$14.00	$1,763.91
255	$635.49	$44.48	$679.97	$1,076.73	$14.00	$1,770.70
256	$637.92	$44.65	$682.57	$1,080.91	$14.00	$1,777.48
257	$640.36	$44.83	$685.19	$1,085.09	$14.00	$1,784.28
258	$642.79	$45.00	$687.79	$1,089.27	$14.00	$1,791.06
259	$645.23	$45.17	$690.40	$1,093.45	$14.00	$1,797.85
260	$647.66	$45.34	$693.00	$1,097.63	$14.00	$1,804.63
261	$650.11	$45.51	$695.61	$1,101.81	$14.00	$1,811.42
262	$652.54	$45.68	$698.21	$1,105.99	$14.00	$1,818.20
263	$654.98	$45.85	$700.83	$1,110.17	$14.00	$1,825.00
264	$657.41	$46.02	$703.43	$1,114.35	$14.00	$1,831.78
265	$659.85	$46.19	$706.04	$1,118.53	$14.00	$1,838.57
266	$662.28	$46.36	$708.64	$1,122.71	$14.00	$1,845.35
267	$664.72	$46.53	$711.25	$1,126.89	$14.00	$1,852.14
268	$667.15	$46.70	$713.85	$1,131.07	$14.00	$1,858.92
269	$669.59	$46.87	$716.46	$1,135.25	$14.00	$1,865.71
270	$672.02	$47.04	$719.07	$1,139.43	$14.00	$1,872.50
271	$674.46	$47.21	$721.68	$1,143.61	$14.00	$1,879.29
272	$676.90	$47.38	$724.28	$1,147.79	$14.00	$1,886.07
273	$679.34	$47.55	$726.89	$1,151.97	$14.00	$1,892.86
274	$681.77	$47.72	$729.49	$1,156.15	$14.00	$1,899.64
275	$684.21	$47.89	$732.10	$1,160.33	$14.00	$1,906.43
276	$686.64	$48.06	$734.70	$1,164.51	$14.00	$1,913.21
277	$689.08	$48.24	$737.32	$1,168.69	$14.00	$1,920.01
278	$691.51	$48.41	$739.92	$1,172.87	$14.00	$1,926.79
279	$693.95	$48.58	$742.53	$1,177.05	$14.00	$1,933.58
280	$696.38	$48.75	$745.13	$1,181.23	$14.00	$1,940.36
281	$698.82	$48.92	$747.74	$1,185.41	$14.00	$1,947.15
282	$701.25	$49.09	$750.34	$1,189.59	$14.00	$1,953.93
283	$703.70	$49.26	$752.95	$1,193.77	$14.00	$1,960.72

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
284	$706.13	$49.43	$755.56	$1,197.95	$14.00	$1,967.51
285	$708.57	$49.60	$758.17	$1,202.13	$14.00	$1,974.30
286	$711.00	$49.77	$760.77	$1,206.31	$14.00	$1,981.08
287	$713.46	$49.94	$763.40	$1,210.49	$14.00	$1,987.89
288	$715.87	$50.11	$765.98	$1,214.67	$14.00	$1,994.65
289	$718.31	$50.28	$768.59	$1,218.85	$14.00	$2,001.44
290	$720.74	$50.45	$771.19	$1,223.03	$14.00	$2,008.22
291	$723.18	$50.62	$773.81	$1,227.21	$14.00	$2,015.02
292	$725.61	$50.79	$776.41	$1,231.39	$14.00	$2,021.80
293	$728.06	$50.96	$779.02	$1,235.57	$14.00	$2,028.59
294	$730.49	$51.13	$781.62	$1,239.75	$14.00	$2,035.37
295	$732.93	$51.30	$784.23	$1,243.93	$14.00	$2,042.16
296	$735.36	$51.48	$786.83	$1,248.11	$14.00	$2,048.94
297	$737.80	$51.65	$789.45	$1,252.29	$14.00	$2,055.74
298	$740.23	$51.82	$792.05	$1,256.47	$14.00	$2,062.52
299	$742.67	$51.99	$794.66	$1,260.65	$14.00	$2,069.31
300	$745.10	$52.16	$797.26	$1,264.83	$14.00	$2,076.09
301	$747.54	$52.33	$799.87	$1,269.01	$14.00	$2,082.88
302	$749.97	$52.50	$802.47	$1,273.19	$14.00	$2,089.66
303	$752.42	$52.67	$805.08	$1,277.37	$14.00	$2,096.45
304	$754.85	$52.84	$807.69	$1,281.55	$14.00	$2,103.24
305	$757.29	$53.01	$810.30	$1,285.73	$14.00	$2,110.03
306	$759.72	$53.18	$812.90	$1,289.91	$14.00	$2,116.81
307	$762.16	$53.35	$815.51	$1,294.09	$14.00	$2,123.60
308	$764.59	$53.52	$818.11	$1,298.27	$14.00	$2,130.38
309	$767.03	$53.69	$820.72	$1,302.45	$14.00	$2,137.17
310	$769.46	$53.86	$823.32	$1,306.63	$14.00	$2,143.95
311	$771.90	$54.03	$825.94	$1,310.81	$14.00	$2,150.75
312	$774.13	$54.19	$828.32	$1,314.99	$14.00	$2,157.31
313	$776.77	$54.37	$831.15	$1,319.17	$14.00	$2,164.32
314	$779.21	$54.54	$833.75	$1,323.35	$14.00	$2,171.10
315	$781.65	$54.72	$836.36	$1,327.53	$14.00	$2,177.89
316	$784.08	$54.89	$838.96	$1,331.71	$14.00	$2,184.67
317	$786.52	$55.06	$841.57	$1,335.89	$14.00	$2,191.46
318	$788.95	$55.23	$844.18	$1,340.07	$14.00	$2,198.25
319	$791.39	$55.40	$846.79	$1,344.25	$14.00	$2,205.04
320	$793.82	$55.57	$849.39	$1,348.43	$14.00	$2,211.82
321	$796.26	$55.74	$852.00	$1,352.61	$14.00	$2,218.61
322	$798.69	$55.91	$854.60	$1,356.79	$14.00	$2,225.39
323	$801.13	$56.08	$857.21	$1,360.97	$14.00	$2,232.18
324	$803.56	$56.25	$859.81	$1,365.15	$14.00	$2,238.96
325	$806.01	$56.42	$862.43	$1,369.33	$14.00	$2,245.76
326	$808.44	$56.59	$865.03	$1,373.51	$14.00	$2,252.54
327	$810.88	$56.76	$867.64	$1,377.69	$14.00	$2,259.33
328	$813.31	$56.93	$870.24	$1,381.87	$14.00	$2,266.11
329	$815.75	$57.10	$872.85	$1,386.05	$14.00	$2,272.90
330	$818.18	$57.27	$875.45	$1,390.23	$14.00	$2,279.68

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+	*7%*	=	Water	Sewer	Garbage	Total
331	$820.62		$57.44		$878.07	$1,394.41	$14.00	$2,286.48
332	$823.05		$57.61		$880.67	$1,398.59	$14.00	$2,293.26
333	$825.49		$57.78		$883.28	$1,402.77	$14.00	$2,300.05
334	$827.92		$57.95		$885.88	$1,406.95	$14.00	$2,306.83
335	$830.37		$58.13		$888.49	$1,411.13	$14.00	$2,313.62
336	$832.80		$58.30		$891.09	$1,415.31	$14.00	$2,320.40
337	$835.24		$58.47		$893.70	$1,419.49	$14.00	$2,327.19
338	$837.67		$58.64		$896.30	$1,423.67	$14.00	$2,333.97
339	$840.11		$58.81		$898.92	$1,427.85	$14.00	$2,340.77
340	$842.54		$58.98		$901.52	$1,432.03	$14.00	$2,347.55
341	$844.98		$59.15		$904.13	$1,436.21	$14.00	$2,354.34
342	$847.41		$59.32		$906.73	$1,440.39	$14.00	$2,361.12
343	$849.85		$59.49		$909.34	$1,444.57	$14.00	$2,367.91
344	$852.28		$59.66		$911.94	$1,448.75	$14.00	$2,374.69
345	$854.72		$59.83		$914.56	$1,452.93	$14.00	$2,381.49
346	$857.16		$60.00		$917.16	$1,457.11	$14.00	$2,388.27
347	$859.60		$60.17		$919.77	$1,461.29	$14.00	$2,395.06
348	$862.03		$60.34		$922.37	$1,465.47	$14.00	$2,401.84
349	$864.47		$60.51		$924.98	$1,469.65	$14.00	$2,408.63
350	$866.90		$60.68		$927.58	$1,473.83	$14.00	$2,415.41
351	$869.34		$60.85		$930.19	$1,478.01	$14.00	$2,422.20
352	$871.77		$61.02		$932.80	$1,482.19	$14.00	$2,428.99
353	$874.21		$61.19		$935.41	$1,486.37	$14.00	$2,435.78
354	$876.64		$61.37		$938.01	$1,490.55	$14.00	$2,442.56
355	$879.08		$61.54		$940.62	$1,494.73	$14.00	$2,449.35
356	$881.52		$61.71		$943.22	$1,498.91	$14.00	$2,456.13
357	$883.96		$61.88		$945.83	$1,503.09	$14.00	$2,462.92
358	$886.39		$62.05		$948.43	$1,507.27	$14.00	$2,469.70
359	$888.83		$62.22		$951.05	$1,511.45	$14.00	$2,476.50
360	$891.26		$62.39		$953.65	$1,515.63	$14.00	$2,483.28
361	$893.70		$62.56		$956.26	$1,519.81	$14.00	$2,490.07
362	$896.13		$62.73		$958.86	$1,523.99	$14.00	$2,496.85
363	$898.57		$62.90		$961.47	$1,528.17	$14.00	$2,503.64
364	$901.00		$63.07		$964.07	$1,532.35	$14.00	$2,510.42
365	$903.44		$63.24		$966.68	$1,536.53	$14.00	$2,517.21
366	$905.87		$63.41		$969.29	$1,540.71	$14.00	$2,524.00
367	$908.32		$63.58		$971.90	$1,544.89	$14.00	$2,530.79
368	$910.75		$63.75		$974.50	$1,549.07	$14.00	$2,537.57
369	$913.19		$63.92		$977.11	$1,553.25	$14.00	$2,544.36
370	$915.62		$64.09		$979.71	$1,557.43	$14.00	$2,551.14
371	$918.06		$64.26		$982.32	$1,561.61	$14.00	$2,557.93
372	$920.49		$64.43		$984.92	$1,565.79	$14.00	$2,564.71
373	$922.92		$64.60		$987.53	$1,569.97	$14.00	$2,571.50
374	$925.36		$64.78		$990.14	$1,574.15	$14.00	$2,578.29
375	$927.80		$64.95		$992.75	$1,578.33	$14.00	$2,585.08
376	$930.23		$65.12		$995.35	$1,582.51	$14.00	$2,591.86
377	$932.68		$65.29		$997.96	$1,586.69	$14.00	$2,598.65

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
378	$935.11	$65.46	$1,000.56	$1,590.87	$14.00	$2,605.43
379	$937.55	$65.63	$1,003.18	$1,595.05	$14.00	$2,612.23
380	$939.98	$65.80	$1,005.78	$1,599.23	$14.00	$2,619.01
381	$942.42	$65.97	$1,008.39	$1,603.41	$14.00	$2,625.80
382	$944.85	$66.14	$1,010.99	$1,607.59	$14.00	$2,632.58
383	$947.29	$66.31	$1,013.60	$1,611.77	$14.00	$2,639.37
384	$949.72	$66.48	$1,016.20	$1,615.95	$14.00	$2,646.15
385	$952.16	$66.65	$1,018.81	$1,620.13	$14.00	$2,652.94
386	$954.59	$66.82	$1,021.42	$1,624.31	$14.00	$2,659.73
387	$957.03	$66.99	$1,024.03	$1,628.49	$14.00	$2,666.52
388	$959.47	$67.16	$1,026.63	$1,632.67	$14.00	$2,673.30
389	$961.90	$67.33	$1,029.23	$1,636.85	$14.00	$2,680.08
390	$964.34	$67.50	$1,031.84	$1,641.03	$14.00	$2,686.87
391	$966.78	$67.67	$1,034.45	$1,645.21	$14.00	$2,693.66
392	$969.21	$67.84	$1,037.05	$1,649.39	$14.00	$2,700.44
393	$971.65	$68.02	$1,039.67	$1,653.57	$14.00	$2,707.24
394	$974.08	$68.19	$1,042.27	$1,657.75	$14.00	$2,714.02
395	$976.52	$68.36	$1,044.88	$1,661.93	$14.00	$2,720.81
396	$978.95	$68.53	$1,047.48	$1,666.11	$14.00	$2,727.59
397	$981.39	$68.70	$1,050.09	$1,670.29	$14.00	$2,734.38
398	$983.83	$68.87	$1,052.69	$1,674.47	$14.00	$2,741.16
399	$986.31	$69.04	$1,055.35	$1,678.65	$14.00	$2,748.00
400	$988.70	$69.21	$1,057.91	$1,682.83	$14.00	$2,754.74
401	$991.15	$69.38	$1,060.53	$1,687.01	$14.00	$2,761.54
402	$964.63	$67.52	$1,032.16	$1,691.19	$14.00	$2,737.35
403	$967.00	$67.69	$1,034.69	$1,695.37	$14.00	$2,744.06
404	$969.36	$67.86	$1,037.22	$1,699.55	$14.00	$2,750.77
405	$971.73	$68.02	$1,039.75	$1,703.73	$14.00	$2,757.48
406	$974.09	$68.19	$1,042.28	$1,707.91	$14.00	$2,764.19
407	$976.46	$68.35	$1,044.81	$1,712.09	$14.00	$2,770.90
408	$978.82	$68.52	$1,047.34	$1,716.27	$14.00	$2,777.61
409	$981.19	$68.68	$1,049.87	$1,720.45	$14.00	$2,784.32
410	$983.55	$68.85	$1,052.40	$1,724.63	$14.00	$2,791.03
411	$985.92	$69.01	$1,054.93	$1,728.81	$14.00	$2,797.74
412	$988.28	$69.18	$1,057.46	$1,732.99	$14.00	$2,804.45
413	$990.65	$69.35	$1,059.99	$1,737.17	$14.00	$2,811.16
414	$993.01	$69.51	$1,062.52	$1,741.35	$14.00	$2,817.87
415	$995.38	$69.68	$1,065.05	$1,745.53	$14.00	$2,824.58
416	$997.74	$69.84	$1,067.59	$1,749.71	$14.00	$2,831.30
417	$1,000.11	$70.01	$1,070.12	$1,753.89	$14.00	$2,838.01
418	$1,002.47	$70.17	$1,072.65	$1,758.07	$14.00	$2,844.72
419	$1,004.84	$70.34	$1,075.18	$1,762.25	$14.00	$2,851.43
420	$1,007.20	$70.50	$1,077.71	$1,766.43	$14.00	$2,858.14
421	$1,009.57	$70.67	$1,080.24	$1,770.61	$14.00	$2,864.85
422	$1,011.93	$70.84	$1,082.77	$1,774.79	$14.00	$2,871.56
423	$1,014.30	$71.00	$1,085.30	$1,778.97	$14.00	$2,878.27
424	$1,016.66	$71.17	$1,087.83	$1,783.15	$14.00	$2,884.98

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+	*7%*	=	Water	Sewer	Garbage	Total
425	$1,019.03		$71.33		$1,090.36	$1,787.33	$14.00	$2,891.69
426	$1,021.39		$71.50		$1,092.89	$1,791.51	$14.00	$2,898.40
427	$1,023.76		$71.66		$1,095.42	$1,795.69	$14.00	$2,905.11
428	$1,026.12		$71.83		$1,097.95	$1,799.87	$14.00	$2,911.82
429	$1,028.49		$71.99		$1,100.48	$1,804.05	$14.00	$2,918.53
430	$1,030.85		$72.16		$1,103.01	$1,808.23	$14.00	$2,925.24
431	$1,033.22		$72.33		$1,105.54	$1,812.41	$14.00	$2,931.95
432	$1,035.58		$72.49		$1,108.07	$1,816.59	$14.00	$2,938.66
433	$1,037.95		$72.66		$1,110.60	$1,820.77	$14.00	$2,945.37
434	$1,040.31		$72.82		$1,113.14	$1,824.95	$14.00	$2,952.09
435	$1,042.68		$72.99		$1,115.67	$1,829.13	$14.00	$2,958.80
436	$1,045.04		$73.15		$1,118.20	$1,833.31	$14.00	$2,965.51
437	$1,047.41		$73.32		$1,120.73	$1,837.49	$14.00	$2,972.22
438	$1,049.77		$73.48		$1,123.26	$1,841.67	$14.00	$2,978.93
439	$1,052.14		$73.65		$1,125.79	$1,845.85	$14.00	$2,985.64
440	$1,054.50		$73.82		$1,128.32	$1,850.03	$14.00	$2,992.35
441	$1,056.87		$73.98		$1,130.85	$1,854.21	$14.00	$2,999.06
442	$1,059.23		$74.15		$1,133.38	$1,858.39	$14.00	$3,005.77
443	$1,061.60		$74.31		$1,135.91	$1,862.57	$14.00	$3,012.48
444	$1,063.96		$74.48		$1,138.44	$1,866.75	$14.00	$3,019.19
445	$1,066.33		$74.64		$1,140.97	$1,870.93	$14.00	$3,025.90
446	$1,068.69		$74.81		$1,143.50	$1,875.11	$14.00	$3,032.61
447	$1,071.06		$74.97		$1,146.03	$1,879.29	$14.00	$3,039.32
448	$1,073.42		$75.14		$1,148.56	$1,883.47	$14.00	$3,046.03
449	$1,075.79		$75.31		$1,151.09	$1,887.65	$14.00	$3,052.74
450	$1,078.15		$75.47		$1,153.62	$1,891.83	$14.00	$3,059.45
451	$1,080.52		$75.64		$1,156.15	$1,896.01	$14.00	$3,066.16
452	$1,082.88		$75.80		$1,158.69	$1,900.19	$14.00	$3,072.88
453	$1,085.25		$75.97		$1,161.22	$1,904.37	$14.00	$3,079.59
454	$1,087.61		$76.13		$1,163.75	$1,908.55	$14.00	$3,086.30
455	$1,089.98		$76.30		$1,166.28	$1,912.73	$14.00	$3,093.01
456	$1,092.34		$76.46		$1,168.81	$1,916.91	$14.00	$3,099.72
457	$1,094.71		$76.63		$1,171.34	$1,921.09	$14.00	$3,106.43
458	$1,097.07		$76.80		$1,173.87	$1,925.27	$14.00	$3,113.14
459	$1,099.44		$76.96		$1,176.40	$1,929.45	$14.00	$3,119.85
460	$1,101.80		$77.13		$1,178.93	$1,933.63	$14.00	$3,126.56
461	$1,104.17		$77.29		$1,181.46	$1,937.81	$14.00	$3,133.27
462	$1,106.53		$77.46		$1,183.99	$1,941.99	$14.00	$3,139.98
463	$1,108.90		$77.62		$1,186.52	$1,946.17	$14.00	$3,146.69
464	$1,111.26		$77.79		$1,189.05	$1,950.35	$14.00	$3,153.40
465	$1,113.63		$77.95		$1,191.58	$1,954.53	$14.00	$3,160.11
466	$1,115.99		$78.12		$1,194.11	$1,958.71	$14.00	$3,166.82
467	$1,118.36		$78.29		$1,196.64	$1,962.89	$14.00	$3,173.53
468	$1,120.72		$78.45		$1,199.17	$1,967.07	$14.00	$3,180.24
469	$1,123.09		$78.62		$1,201.70	$1,971.25	$14.00	$3,186.95
470	$1,125.45		$78.78		$1,204.24	$1,975.43	$14.00	$3,193.67
471	$1,127.82		$78.95		$1,206.77	$1,979.61	$14.00	$3,200.38

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+	*7%*	=	Water	Sewer	Garbage	Total
472	$1,130.18		$79.11		$1,209.30	$1,983.79	$14.00	$3,207.09
473	$1,132.55		$79.28		$1,211.83	$1,987.97	$14.00	$3,213.80
474	$1,134.91		$79.44		$1,214.36	$1,992.15	$14.00	$3,220.51
475	$1,137.28		$79.61		$1,216.89	$1,996.33	$14.00	$3,227.22
476	$1,139.64		$79.78		$1,219.42	$2,000.51	$14.00	$3,233.93
477	$1,142.01		$79.94		$1,221.95	$2,004.69	$14.00	$3,240.64
478	$1,144.37		$80.11		$1,224.48	$2,008.87	$14.00	$3,247.35
479	$1,146.74		$80.27		$1,227.01	$2,013.05	$14.00	$3,254.06
480	$1,149.10		$80.44		$1,229.54	$2,017.23	$14.00	$3,260.77
481	$1,151.47		$80.60		$1,232.07	$2,021.41	$14.00	$3,267.48
482	$1,153.83		$80.77		$1,234.60	$2,025.59	$14.00	$3,274.19
483	$1,156.20		$80.93		$1,237.13	$2,029.77	$14.00	$3,280.90
484	$1,158.56		$81.10		$1,239.66	$2,033.95	$14.00	$3,287.61
485	$1,160.93		$81.26		$1,242.19	$2,038.13	$14.00	$3,294.32
486	$1,163.29		$81.43		$1,244.72	$2,042.31	$14.00	$3,301.03
487	$1,165.66		$81.60		$1,247.25	$2,046.49	$14.00	$3,307.74
488	$1,168.02		$81.76		$1,249.78	$2,050.67	$14.00	$3,314.45
489	$1,170.39		$81.93		$1,252.32	$2,054.85	$14.00	$3,321.17
490	$1,172.75		$82.09		$1,254.85	$2,059.03	$14.00	$3,327.88
491	$1,175.12		$82.26		$1,257.38	$2,063.21	$14.00	$3,334.59
492	$1,177.48		$82.42		$1,259.91	$2,067.39	$14.00	$3,341.30
493	$1,179.85		$82.59		$1,262.44	$2,071.57	$14.00	$3,348.01
494	$1,182.21		$82.75		$1,264.97	$2,075.75	$14.00	$3,354.72
495	$1,184.58		$82.92		$1,267.50	$2,079.93	$14.00	$3,361.43
496	$1,186.94		$83.09		$1,270.03	$2,084.11	$14.00	$3,368.14
497	$1,189.31		$83.25		$1,272.56	$2,088.29	$14.00	$3,374.85
498	$1,191.67		$83.42		$1,275.09	$2,092.47	$14.00	$3,381.56
499	$1,194.04		$83.58		$1,277.62	$2,096.65	$14.00	$3,388.27
500	$1,196.40		$83.75		$1,280.15	$2,100.83	$14.00	$3,394.98
501	$1,198.77		$83.91		$1,282.68	$2,105.01	$14.00	$3,401.69
502	$1,201.13		$84.08		$1,285.21	$2,109.19	$14.00	$3,408.40
503	$1,203.50		$84.24		$1,287.74	$2,113.37	$14.00	$3,415.11
504	$1,205.86		$84.41		$1,290.27	$2,117.55	$14.00	$3,421.82
505	$1,208.23		$84.58		$1,292.80	$2,121.73	$14.00	$3,428.53
506	$1,210.59		$84.74		$1,295.33	$2,125.91	$14.00	$3,435.24
507	$1,212.96		$84.91		$1,297.87	$2,130.09	$14.00	$3,441.96
508	$1,215.32		$85.07		$1,300.40	$2,134.27	$14.00	$3,448.67
509	$1,217.69		$85.24		$1,302.93	$2,138.45	$14.00	$3,455.38
510	$1,220.05		$85.40		$1,305.46	$2,142.63	$14.00	$3,462.09
511	$1,222.42		$85.57		$1,307.99	$2,146.81	$14.00	$3,468.80
512	$1,224.78		$85.73		$1,310.52	$2,150.99	$14.00	$3,475.51
513	$1,227.15		$85.90		$1,313.05	$2,155.17	$14.00	$3,482.22
514	$1,229.51		$86.07		$1,315.58	$2,159.35	$14.00	$3,488.93
515	$1,231.88		$86.23		$1,318.11	$2,163.53	$14.00	$3,495.64
516	$1,234.24		$86.40		$1,320.64	$2,167.71	$14.00	$3,502.35
517	$1,236.61		$86.56		$1,323.17	$2,171.89	$14.00	$3,509.06
518	$1,238.97		$86.73		$1,325.70	$2,176.07	$14.00	$3,515.77

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+	*7%*	=	Water	Sewer	Garbage	Total
519	$1,241.34		$86.89		$1,328.23	$2,180.25	$14.00	$3,522.48
520	$1,243.70		$87.06		$1,330.76	$2,184.43	$14.00	$3,529.19
521	$1,246.07		$87.22		$1,333.29	$2,188.61	$14.00	$3,535.90
522	$1,248.43		$87.39		$1,335.82	$2,192.79	$14.00	$3,542.61
523	$1,250.80		$87.56		$1,338.35	$2,196.97	$14.00	$3,549.32
524	$1,253.16		$87.72		$1,340.88	$2,201.15	$14.00	$3,556.03
525	$1,255.53		$87.89		$1,343.42	$2,205.33	$14.00	$3,562.75
526	$1,257.89		$88.05		$1,345.95	$2,209.51	$14.00	$3,569.46
527	$1,260.26		$88.22		$1,348.48	$2,213.69	$14.00	$3,576.17
528	$1,262.62		$88.38		$1,351.01	$2,217.87	$14.00	$3,582.88
529	$1,264.99		$88.55		$1,353.54	$2,222.05	$14.00	$3,589.59
530	$1,267.35		$88.71		$1,356.07	$2,226.23	$14.00	$3,596.30
531	$1,269.72		$88.88		$1,358.60	$2,230.41	$14.00	$3,603.01
532	$1,272.08		$89.05		$1,361.13	$2,234.59	$14.00	$3,609.72
533	$1,274.45		$89.21		$1,363.66	$2,238.77	$14.00	$3,616.43
534	$1,276.81		$89.38		$1,366.19	$2,242.95	$14.00	$3,623.14
535	$1,279.18		$89.54		$1,368.72	$2,247.13	$14.00	$3,629.85
536	$1,281.54		$89.71		$1,371.25	$2,251.31	$14.00	$3,636.56
537	$1,283.91		$89.87		$1,373.78	$2,255.49	$14.00	$3,643.27
538	$1,286.27		$90.04		$1,376.31	$2,259.67	$14.00	$3,649.98
539	$1,288.64		$90.20		$1,378.84	$2,263.85	$14.00	$3,656.69
540	$1,291.00		$90.37		$1,381.37	$2,268.03	$14.00	$3,663.40
541	$1,293.37		$90.54		$1,383.90	$2,272.21	$14.00	$3,670.11
542	$1,295.73		$90.70		$1,386.43	$2,276.39	$14.00	$3,676.82
543	$1,298.10		$90.87		$1,388.97	$2,280.57	$14.00	$3,683.54
544	$1,300.46		$91.03		$1,391.50	$2,284.75	$14.00	$3,690.25
545	$1,302.83		$91.20		$1,394.03	$2,288.93	$14.00	$3,696.96
546	$1,305.19		$91.36		$1,396.56	$2,293.11	$14.00	$3,703.67
547	$1,307.56		$91.53		$1,399.09	$2,297.29	$14.00	$3,710.38
548	$1,309.92		$91.69		$1,401.62	$2,301.47	$14.00	$3,717.09
549	$1,312.29		$91.86		$1,404.15	$2,305.65	$14.00	$3,723.80
550	$1,314.65		$92.03		$1,406.68	$2,309.83	$14.00	$3,730.51
551	$1,317.02		$92.19		$1,409.21	$2,314.01	$14.00	$3,737.22
552	$1,319.38		$92.36		$1,411.74	$2,318.19	$14.00	$3,743.93
553	$1,321.75		$92.52		$1,414.27	$2,322.37	$14.00	$3,750.64
554	$1,324.11		$92.69		$1,416.80	$2,326.55	$14.00	$3,757.35
555	$1,326.48		$92.85		$1,419.33	$2,330.73	$14.00	$3,764.06
556	$1,328.84		$93.02		$1,421.86	$2,334.91	$14.00	$3,770.77
557	$1,331.21		$93.18		$1,424.39	$2,339.09	$14.00	$3,777.48
558	$1,333.57		$93.35		$1,426.92	$2,343.27	$14.00	$3,784.19
559	$1,335.94		$93.52		$1,429.45	$2,347.45	$14.00	$3,790.90
560	$1,338.30		$93.68		$1,431.98	$2,351.63	$14.00	$3,797.61
561	$1,340.67		$93.85		$1,434.52	$2,355.81	$14.00	$3,804.33
562	$1,343.03		$94.01		$1,437.05	$2,359.99	$14.00	$3,811.04
563	$1,345.40		$94.18		$1,439.58	$2,364.17	$14.00	$3,817.75
564	$1,347.76		$94.34		$1,442.11	$2,368.35	$14.00	$3,824.46
565	$1,350.13		$94.51		$1,444.64	$2,372.53	$14.00	$3,831.17

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+	*7%*	=	Water	Sewer	Garbage	Total
566	$1,352.49		$94.67		$1,447.17	$2,376.71	$14.00	$3,837.88
567	$1,354.86		$94.84		$1,449.70	$2,380.89	$14.00	$3,844.59
568	$1,357.22		$95.01		$1,452.23	$2,385.07	$14.00	$3,851.30
569	$1,359.59		$95.17		$1,454.76	$2,389.25	$14.00	$3,858.01
570	$1,361.95		$95.34		$1,457.29	$2,393.43	$14.00	$3,864.72
571	$1,364.32		$95.50		$1,459.82	$2,397.61	$14.00	$3,871.43
572	$1,366.68		$95.67		$1,462.35	$2,401.79	$14.00	$3,878.14
573	$1,369.05		$95.83		$1,464.88	$2,405.97	$14.00	$3,884.85
574	$1,371.41		$96.00		$1,467.41	$2,410.15	$14.00	$3,891.56
575	$1,373.78		$96.16		$1,469.94	$2,414.33	$14.00	$3,898.27
576	$1,376.14		$96.33		$1,472.47	$2,418.51	$14.00	$3,904.98
577	$1,378.51		$96.50		$1,475.00	$2,422.69	$14.00	$3,911.69
578	$1,380.87		$96.66		$1,477.53	$2,426.87	$14.00	$3,918.40
579	$1,383.24		$96.83		$1,480.07	$2,431.05	$14.00	$3,925.12
580	$1,385.60		$96.99		$1,482.60	$2,435.23	$14.00	$3,931.83
581	$1,387.97		$97.16		$1,485.13	$2,439.41	$14.00	$3,938.54
582	$1,390.33		$97.32		$1,487.66	$2,443.59	$14.00	$3,945.25
583	$1,392.70		$97.49		$1,490.19	$2,447.77	$14.00	$3,951.96
584	$1,395.06		$97.65		$1,492.72	$2,451.95	$14.00	$3,958.67
585	$1,397.43		$97.82		$1,495.25	$2,456.13	$14.00	$3,965.38
586	$1,399.79		$97.99		$1,497.78	$2,460.31	$14.00	$3,972.09
587	$1,402.16		$98.15		$1,500.31	$2,464.49	$14.00	$3,978.80
588	$1,404.52		$98.32		$1,502.84	$2,468.67	$14.00	$3,985.51
589	$1,406.89		$98.48		$1,505.37	$2,472.85	$14.00	$3,992.22
590	$1,409.25		$98.65		$1,507.90	$2,477.03	$14.00	$3,998.93
591	$1,411.62		$98.81		$1,510.43	$2,481.21	$14.00	$4,005.64
592	$1,413.98		$98.98		$1,512.96	$2,485.39	$14.00	$4,012.35
593	$1,416.35		$99.14		$1,515.49	$2,489.57	$14.00	$4,019.06
594	$1,418.71		$99.31		$1,518.02	$2,493.75	$14.00	$4,025.77
595	$1,421.08		$99.48		$1,520.55	$2,497.93	$14.00	$4,032.48
596	$1,423.44		$99.64		$1,523.08	$2,502.11	$14.00	$4,039.19
597	$1,425.81		$99.81		$1,525.61	$2,506.29	$14.00	$4,045.90
598	$1,428.17		$99.97		$1,528.15	$2,510.47	$14.00	$4,052.62
599	$1,430.54		$100.14		$1,530.68	$2,514.65	$14.00	$4,059.33
600	$1,432.90		$100.30		$1,533.21	$2,518.83	$14.00	$4,066.04
601	$1,435.27		$100.47		$1,535.74	$2,523.01	$14.00	$4,072.75
602	$1,437.63		$100.63		$1,538.27	$2,527.19	$14.00	$4,079.46
603	$1,440.00		$100.80		$1,540.80	$2,531.37	$14.00	$4,086.17
604	$1,442.36		$100.97		$1,543.33	$2,535.55	$14.00	$4,092.88
605	$1,444.73		$101.13		$1,545.86	$2,539.73	$14.00	$4,099.59
606	$1,447.09		$101.30		$1,548.39	$2,543.91	$14.00	$4,106.30
607	$1,449.46		$101.46		$1,550.92	$2,548.09	$14.00	$4,113.01
608	$1,451.82		$101.63		$1,553.45	$2,552.27	$14.00	$4,119.72
609	$1,454.19		$101.79		$1,555.98	$2,556.45	$14.00	$4,126.43
610	$1,456.55		$101.96		$1,558.51	$2,560.63	$14.00	$4,133.14
611	$1,458.92		$102.12		$1,561.04	$2,564.81	$14.00	$4,139.85
612	$1,461.28		$102.29		$1,563.57	$2,568.99	$14.00	$4,146.56

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
613	$1,463.65	$102.46	$1,566.10	$2,573.17	$14.00	$4,153.27
614	$1,466.01	$102.62	$1,568.63	$2,577.35	$14.00	$4,159.98
615	$1,468.38	$102.79	$1,571.16	$2,581.53	$14.00	$4,166.69
616	$1,470.74	$102.95	$1,573.70	$2,585.71	$14.00	$4,173.41
617	$1,473.11	$103.12	$1,576.23	$2,589.89	$14.00	$4,180.12
618	$1,475.47	$103.28	$1,578.76	$2,594.07	$14.00	$4,186.83
619	$1,477.84	$103.45	$1,581.29	$2,598.25	$14.00	$4,193.54
620	$1,480.20	$103.61	$1,583.82	$2,602.43	$14.00	$4,200.25
621	$1,482.57	$103.78	$1,586.35	$2,606.61	$14.00	$4,206.96
622	$1,484.93	$103.95	$1,588.88	$2,610.79	$14.00	$4,213.67
623	$1,487.30	$104.11	$1,591.41	$2,614.97	$14.00	$4,220.38
624	$1,489.66	$104.28	$1,593.94	$2,619.15	$14.00	$4,227.09
625	$1,492.03	$104.44	$1,596.47	$2,623.33	$14.00	$4,233.80
626	$1,494.39	$104.61	$1,599.00	$2,627.51	$14.00	$4,240.51
627	$1,496.76	$104.77	$1,601.53	$2,631.69	$14.00	$4,247.22
628	$1,499.12	$104.94	$1,604.06	$2,635.87	$14.00	$4,253.93
629	$1,501.49	$105.10	$1,606.59	$2,640.05	$14.00	$4,260.64
630	$1,503.85	$105.27	$1,609.12	$2,644.23	$14.00	$4,267.35
631	$1,506.22	$105.44	$1,611.65	$2,648.41	$14.00	$4,274.06
632	$1,508.58	$105.60	$1,614.18	$2,652.59	$14.00	$4,280.77
633	$1,510.95	$105.77	$1,616.71	$2,656.77	$14.00	$4,287.48
634	$1,513.31	$105.93	$1,619.25	$2,660.95	$14.00	$4,294.20
635	$1,515.68	$106.10	$1,621.78	$2,665.13	$14.00	$4,300.91
636	$1,518.04	$106.26	$1,624.31	$2,669.31	$14.00	$4,307.62
637	$1,520.41	$106.43	$1,626.84	$2,673.49	$14.00	$4,314.33
638	$1,522.77	$106.59	$1,629.37	$2,677.67	$14.00	$4,321.04
639	$1,525.14	$106.76	$1,631.90	$2,681.85	$14.00	$4,327.75
640	$1,527.50	$106.93	$1,634.43	$2,686.03	$14.00	$4,334.46
641	$1,529.87	$107.09	$1,636.96	$2,690.21	$14.00	$4,341.17
642	$1,532.23	$107.26	$1,639.49	$2,694.39	$14.00	$4,347.88
643	$1,534.60	$107.42	$1,642.02	$2,698.57	$14.00	$4,354.59
644	$1,536.96	$107.59	$1,644.55	$2,702.75	$14.00	$4,361.30
645	$1,539.33	$107.75	$1,647.08	$2,706.93	$14.00	$4,368.01
646	$1,541.69	$107.92	$1,649.61	$2,711.11	$14.00	$4,374.72
647	$1,544.06	$108.08	$1,652.14	$2,715.29	$14.00	$4,381.43
648	$1,546.42	$108.25	$1,654.67	$2,719.47	$14.00	$4,388.14
649	$1,548.79	$108.42	$1,657.20	$2,723.65	$14.00	$4,394.85
650	$1,551.15	$108.58	$1,659.73	$2,727.83	$14.00	$4,401.56
651	$1,553.52	$108.75	$1,662.26	$2,732.01	$14.00	$4,408.27
652	$1,555.88	$108.91	$1,664.80	$2,736.19	$14.00	$4,414.99
653	$1,558.25	$109.08	$1,667.33	$2,740.37	$14.00	$4,421.70
654	$1,560.61	$109.24	$1,669.86	$2,744.55	$14.00	$4,428.41
655	$1,562.98	$109.41	$1,672.39	$2,748.73	$14.00	$4,435.12
656	$1,565.34	$109.57	$1,674.92	$2,752.91	$14.00	$4,441.83
657	$1,567.71	$109.74	$1,677.45	$2,757.09	$14.00	$4,448.54
658	$1,570.07	$109.91	$1,679.98	$2,761.27	$14.00	$4,455.25
659	$1,572.44	$110.07	$1,682.51	$2,765.45	$14.00	$4,461.96

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
660	$1,574.80	$110.24	$1,685.04	$2,769.63	$14.00	$4,468.67
661	$1,577.17	$110.40	$1,687.57	$2,773.81	$14.00	$4,475.38
662	$1,579.53	$110.57	$1,690.10	$2,777.99	$14.00	$4,482.09
663	$1,581.90	$110.73	$1,692.63	$2,782.17	$14.00	$4,488.80
664	$1,584.26	$110.90	$1,695.16	$2,786.35	$14.00	$4,495.51
665	$1,586.63	$111.06	$1,697.69	$2,790.53	$14.00	$4,502.22
666	$1,588.99	$111.23	$1,700.22	$2,794.71	$14.00	$4,508.93
667	$1,591.36	$111.40	$1,702.75	$2,798.89	$14.00	$4,515.64
668	$1,593.72	$111.56	$1,705.28	$2,803.07	$14.00	$4,522.35
669	$1,596.09	$111.73	$1,707.81	$2,807.25	$14.00	$4,529.06
670	$1,598.45	$111.89	$1,710.35	$2,811.43	$14.00	$4,535.78
671	$1,600.82	$112.06	$1,712.88	$2,815.61	$14.00	$4,542.49
672	$1,603.18	$112.22	$1,715.41	$2,819.79	$14.00	$4,549.20
673	$1,605.55	$112.39	$1,717.94	$2,823.97	$14.00	$4,555.91
674	$1,607.91	$112.55	$1,720.47	$2,828.15	$14.00	$4,562.62
675	$1,610.28	$112.72	$1,723.00	$2,832.33	$14.00	$4,569.33
676	$1,612.64	$112.89	$1,725.53	$2,836.51	$14.00	$4,576.04
677	$1,615.01	$113.05	$1,728.06	$2,840.69	$14.00	$4,582.75
678	$1,617.37	$113.22	$1,730.59	$2,844.87	$14.00	$4,589.46
679	$1,619.74	$113.38	$1,733.12	$2,849.05	$14.00	$4,596.17
680	$1,622.10	$113.55	$1,735.65	$2,853.23	$14.00	$4,602.88
681	$1,624.47	$113.71	$1,738.18	$2,857.41	$14.00	$4,609.59
682	$1,626.83	$113.88	$1,740.71	$2,861.59	$14.00	$4,616.30
683	$1,629.20	$114.04	$1,743.24	$2,865.77	$14.00	$4,623.01
684	$1,631.56	$114.21	$1,745.77	$2,869.95	$14.00	$4,629.72
685	$1,633.93	$114.37	$1,748.30	$2,874.13	$14.00	$4,636.43
686	$1,636.29	$114.54	$1,750.83	$2,878.31	$14.00	$4,643.14
687	$1,638.66	$114.71	$1,753.36	$2,882.49	$14.00	$4,649.85
688	$1,641.02	$114.87	$1,755.89	$2,886.67	$14.00	$4,656.56
689	$1,643.39	$115.04	$1,758.43	$2,890.85	$14.00	$4,663.28
690	$1,645.75	$115.20	$1,760.96	$2,895.03	$14.00	$4,669.99
691	$1,648.12	$115.37	$1,763.49	$2,899.21	$14.00	$4,676.70
692	$1,650.48	$115.53	$1,766.02	$2,903.39	$14.00	$4,683.41
693	$1,652.85	$115.70	$1,768.55	$2,907.57	$14.00	$4,690.12
694	$1,655.21	$115.86	$1,771.08	$2,911.75	$14.00	$4,696.83
695	$1,657.58	$116.03	$1,773.61	$2,915.93	$14.00	$4,703.54
696	$1,659.94	$116.20	$1,776.14	$2,920.11	$14.00	$4,710.25
697	$1,662.31	$116.36	$1,778.67	$2,924.29	$14.00	$4,716.96
698	$1,664.67	$116.53	$1,781.20	$2,928.47	$14.00	$4,723.67
699	$1,667.04	$116.69	$1,783.73	$2,932.65	$14.00	$4,730.38
700	$1,669.40	$116.86	$1,786.26	$2,936.83	$14.00	$4,737.09
701	$1,671.77	$117.02	$1,788.79	$2,941.01	$14.00	$4,743.80
702	$1,674.13	$117.19	$1,791.32	$2,945.19	$14.00	$4,750.51
703	$1,676.50	$117.35	$1,793.85	$2,949.37	$14.00	$4,757.22
704	$1,678.86	$117.52	$1,796.38	$2,953.55	$14.00	$4,763.93
705	$1,681.23	$117.69	$1,798.91	$2,957.73	$14.00	$4,770.64
706	$1,683.59	$117.85	$1,801.44	$2,961.91	$14.00	$4,777.35

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
707	$1,685.96	$118.02	$1,803.98	$2,966.09	$14.00	$4,784.07
708	$1,688.32	$118.18	$1,806.51	$2,970.27	$14.00	$4,790.78
709	$1,690.69	$118.35	$1,809.04	$2,974.45	$14.00	$4,797.49
710	$1,693.05	$118.51	$1,811.57	$2,978.63	$14.00	$4,804.20
711	$1,695.42	$118.68	$1,814.10	$2,982.81	$14.00	$4,810.91
712	$1,697.78	$118.84	$1,816.63	$2,986.99	$14.00	$4,817.62
713	$1,700.15	$119.01	$1,819.16	$2,991.17	$14.00	$4,824.33
714	$1,702.51	$119.18	$1,821.69	$2,995.35	$14.00	$4,831.04
715	$1,704.88	$119.34	$1,824.22	$2,999.53	$14.00	$4,837.75
716	$1,707.24	$119.51	$1,826.75	$3,003.71	$14.00	$4,844.46
717	$1,709.61	$119.67	$1,829.28	$3,007.89	$14.00	$4,851.17
718	$1,711.97	$119.84	$1,831.81	$3,012.07	$14.00	$4,857.88
719	$1,714.34	$120.00	$1,834.34	$3,016.25	$14.00	$4,864.59
720	$1,716.70	$120.17	$1,836.87	$3,020.43	$14.00	$4,871.30
721	$1,719.07	$120.33	$1,839.40	$3,024.61	$14.00	$4,878.01
722	$1,721.43	$120.50	$1,841.93	$3,028.79	$14.00	$4,884.72
723	$1,723.80	$120.67	$1,844.46	$3,032.97	$14.00	$4,891.43
724	$1,726.16	$120.83	$1,846.99	$3,037.15	$14.00	$4,898.14
725	$1,728.53	$121.00	$1,849.53	$3,041.33	$14.00	$4,904.86
726	$1,730.89	$121.16	$1,852.06	$3,045.51	$14.00	$4,911.57
727	$1,733.26	$121.33	$1,854.59	$3,049.69	$14.00	$4,918.28
728	$1,735.62	$121.49	$1,857.12	$3,053.87	$14.00	$4,924.99
729	$1,737.99	$121.66	$1,859.65	$3,058.05	$14.00	$4,931.70
730	$1,740.35	$121.82	$1,862.18	$3,062.23	$14.00	$4,938.41
731	$1,742.72	$121.99	$1,864.71	$3,066.41	$14.00	$4,945.12
732	$1,745.08	$122.16	$1,867.24	$3,070.59	$14.00	$4,951.83
733	$1,747.45	$122.32	$1,869.77	$3,074.77	$14.00	$4,958.54
734	$1,749.81	$122.49	$1,872.30	$3,078.95	$14.00	$4,965.25
735	$1,752.18	$122.65	$1,874.83	$3,083.13	$14.00	$4,971.96
736	$1,754.54	$122.82	$1,877.36	$3,087.31	$14.00	$4,978.67
737	$1,756.91	$122.98	$1,879.89	$3,091.49	$14.00	$4,985.38
738	$1,759.27	$123.15	$1,882.42	$3,095.67	$14.00	$4,992.09
739	$1,761.64	$123.31	$1,884.95	$3,099.85	$14.00	$4,998.80
740	$1,764.00	$123.48	$1,887.48	$3,104.03	$14.00	$5,005.51
741	$1,766.37	$123.65	$1,890.01	$3,108.21	$14.00	$5,012.22
742	$1,768.73	$123.81	$1,892.54	$3,112.39	$14.00	$5,018.93
743	$1,771.10	$123.98	$1,895.08	$3,116.57	$14.00	$5,025.65
744	$1,773.46	$124.14	$1,897.61	$3,120.75	$14.00	$5,032.36
745	$1,775.83	$124.31	$1,900.14	$3,124.93	$14.00	$5,039.07
746	$1,778.19	$124.47	$1,902.67	$3,129.11	$14.00	$5,045.78
747	$1,780.56	$124.64	$1,905.20	$3,133.29	$14.00	$5,052.49
748	$1,782.92	$124.80	$1,907.73	$3,137.47	$14.00	$5,059.20
749	$1,785.29	$124.97	$1,910.26	$3,141.65	$14.00	$5,065.91
750	$1,787.65	$125.14	$1,912.79	$3,145.83	$14.00	$5,072.62
751	$1,790.02	$125.30	$1,915.32	$3,150.01	$14.00	$5,079.33
752	$1,792.38	$125.47	$1,917.85	$3,154.19	$14.00	$5,086.04
753	$1,794.75	$125.63	$1,920.38	$3,158.37	$14.00	$5,092.75

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+	*7%*	=	Water	Sewer	Garbage	Total
754	$1,797.11		$125.80		$1,922.91	$3,162.55	$14.00	$5,099.46
755	$1,799.48		$125.96		$1,925.44	$3,166.73	$14.00	$5,106.17
756	$1,801.84		$126.13		$1,927.97	$3,170.91	$14.00	$5,112.88
757	$1,804.21		$126.29		$1,930.50	$3,175.09	$14.00	$5,119.59
758	$1,806.57		$126.46		$1,933.03	$3,179.27	$14.00	$5,126.30
759	$1,808.94		$126.63		$1,935.56	$3,183.45	$14.00	$5,133.01
760	$1,811.30		$126.79		$1,938.09	$3,187.63	$14.00	$5,139.72
761	$1,813.67		$126.96		$1,940.63	$3,191.81	$14.00	$5,146.44
762	$1,816.03		$127.12		$1,943.16	$3,195.99	$14.00	$5,153.15
763	$1,818.40		$127.29		$1,945.69	$3,200.17	$14.00	$5,159.86
764	$1,820.76		$127.45		$1,948.22	$3,204.35	$14.00	$5,166.57
765	$1,823.13		$127.62		$1,950.75	$3,208.53	$14.00	$5,173.28
766	$1,825.49		$127.78		$1,953.28	$3,212.71	$14.00	$5,179.99
767	$1,827.86		$127.95		$1,955.81	$3,216.89	$14.00	$5,186.70
768	$1,830.22		$128.12		$1,958.34	$3,221.07	$14.00	$5,193.41
769	$1,832.59		$128.28		$1,960.87	$3,225.25	$14.00	$5,200.12
770	$1,834.95		$128.45		$1,963.40	$3,229.43	$14.00	$5,206.83
771	$1,837.32		$128.61		$1,965.93	$3,233.61	$14.00	$5,213.54
772	$1,839.68		$128.78		$1,968.46	$3,237.79	$14.00	$5,220.25
773	$1,842.05		$128.94		$1,970.99	$3,241.97	$14.00	$5,226.96
774	$1,844.41		$129.11		$1,973.52	$3,246.15	$14.00	$5,233.67
775	$1,846.78		$129.27		$1,976.05	$3,250.33	$14.00	$5,240.38
776	$1,849.14		$129.44		$1,978.58	$3,254.51	$14.00	$5,247.09
777	$1,851.51		$129.61		$1,981.11	$3,258.69	$14.00	$5,253.80
778	$1,853.87		$129.77		$1,983.64	$3,262.87	$14.00	$5,260.51
779	$1,856.24		$129.94		$1,986.18	$3,267.05	$14.00	$5,267.23
780	$1,858.60		$130.10		$1,988.71	$3,271.23	$14.00	$5,273.94
781	$1,860.97		$130.27		$1,991.24	$3,275.41	$14.00	$5,280.65
782	$1,863.33		$130.43		$1,993.77	$3,279.59	$14.00	$5,287.36
783	$1,865.70		$130.60		$1,996.30	$3,283.77	$14.00	$5,294.07
784	$1,868.06		$130.76		$1,998.83	$3,287.95	$14.00	$5,300.78
785	$1,870.43		$130.93		$2,001.36	$3,292.13	$14.00	$5,307.49
786	$1,872.79		$131.10		$2,003.89	$3,296.31	$14.00	$5,314.20
787	$1,875.16		$131.26		$2,006.42	$3,300.49	$14.00	$5,320.91
788	$1,877.52		$131.43		$2,008.95	$3,304.67	$14.00	$5,327.62
789	$1,879.89		$131.59		$2,011.48	$3,308.85	$14.00	$5,334.33
790	$1,882.25		$131.76		$2,014.01	$3,313.03	$14.00	$5,341.04
791	$1,884.62		$131.92		$2,016.54	$3,317.21	$14.00	$5,347.75
792	$1,886.98		$132.09		$2,019.07	$3,321.39	$14.00	$5,354.46
793	$1,889.35		$132.25		$2,021.60	$3,325.57	$14.00	$5,361.17
794	$1,891.71		$132.42		$2,024.13	$3,329.75	$14.00	$5,367.88
795	$1,894.08		$132.59		$2,026.66	$3,333.93	$14.00	$5,374.59
796	$1,896.44		$132.75		$2,029.19	$3,338.11	$14.00	$5,381.30
797	$1,898.81		$132.92		$2,031.72	$3,342.29	$14.00	$5,388.01
798	$1,901.17		$133.08		$2,034.26	$3,346.47	$14.00	$5,394.73
799	$1,903.54		$133.25		$2,036.79	$3,350.65	$14.00	$5,401.44
800	$1,905.90		$133.41		$2,039.32	$3,354.83	$14.00	$5,408.15

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+	*7%*	=	Water	Sewer	Garbage	Total
801	$1,908.27		$133.58		$2,041.85	$3,359.01	$14.00	$5,414.86
802	$1,910.63		$133.74		$2,044.38	$3,363.19	$14.00	$5,421.57
803	$1,913.00		$133.91		$2,046.91	$3,367.37	$14.00	$5,428.28
804	$1,915.36		$134.08		$2,049.44	$3,371.55	$14.00	$5,434.99
805	$1,917.73		$134.24		$2,051.97	$3,375.73	$14.00	$5,441.70
806	$1,920.09		$134.41		$2,054.50	$3,379.91	$14.00	$5,448.41
807	$1,922.46		$134.57		$2,057.03	$3,384.09	$14.00	$5,455.12
808	$1,924.82		$134.74		$2,059.56	$3,388.27	$14.00	$5,461.83
809	$1,927.19		$134.90		$2,062.09	$3,392.45	$14.00	$5,468.54
810	$1,929.55		$135.07		$2,064.62	$3,396.63	$14.00	$5,475.25
811	$1,931.92		$135.23		$2,067.15	$3,400.81	$14.00	$5,481.96
812	$1,934.28		$135.40		$2,069.68	$3,404.99	$14.00	$5,488.67
813	$1,936.65		$135.57		$2,072.21	$3,409.17	$14.00	$5,495.38
814	$1,939.01		$135.73		$2,074.74	$3,413.35	$14.00	$5,502.09
815	$1,941.38		$135.90		$2,077.27	$3,417.53	$14.00	$5,508.80
816	$1,943.74		$136.06		$2,079.81	$3,421.71	$14.00	$5,515.52
817	$1,946.11		$136.23		$2,082.34	$3,425.89	$14.00	$5,522.23
818	$1,948.47		$136.39		$2,084.87	$3,430.07	$14.00	$5,528.94
819	$1,950.84		$136.56		$2,087.40	$3,434.25	$14.00	$5,535.65
820	$1,953.20		$136.72		$2,089.93	$3,438.43	$14.00	$5,542.36
821	$1,955.57		$136.89		$2,092.46	$3,442.61	$14.00	$5,549.07
822	$1,957.93		$137.06		$2,094.99	$3,446.79	$14.00	$5,555.78
823	$1,960.30		$137.22		$2,097.52	$3,450.97	$14.00	$5,562.49
824	$1,962.66		$137.39		$2,100.05	$3,455.15	$14.00	$5,569.20
825	$1,965.03		$137.55		$2,102.58	$3,459.33	$14.00	$5,575.91
826	$1,967.39		$137.72		$2,105.11	$3,463.51	$14.00	$5,582.62
827	$1,969.76		$137.88		$2,107.64	$3,467.69	$14.00	$5,589.33
828	$1,972.12		$138.05		$2,110.17	$3,471.87	$14.00	$5,596.04
829	$1,974.49		$138.21		$2,112.70	$3,476.05	$14.00	$5,602.75
830	$1,976.85		$138.38		$2,115.23	$3,480.23	$14.00	$5,609.46
831	$1,979.22		$138.55		$2,117.76	$3,484.41	$14.00	$5,616.17
832	$1,981.58		$138.71		$2,120.29	$3,488.59	$14.00	$5,622.88
833	$1,983.95		$138.88		$2,122.82	$3,492.77	$14.00	$5,629.59
834	$1,986.31		$139.04		$2,125.36	$3,496.95	$14.00	$5,636.31
835	$1,988.68		$139.21		$2,127.89	$3,501.13	$14.00	$5,643.02
836	$1,991.04		$139.37		$2,130.42	$3,505.31	$14.00	$5,649.73
837	$1,993.41		$139.54		$2,132.95	$3,509.49	$14.00	$5,656.44
838	$1,995.77		$139.70		$2,135.48	$3,513.67	$14.00	$5,663.15
839	$1,998.14		$139.87		$2,138.01	$3,517.85	$14.00	$5,669.86
840	$2,000.50		$140.04		$2,140.54	$3,522.03	$14.00	$5,676.57
841	$2,002.87		$140.20		$2,143.07	$3,526.21	$14.00	$5,683.28
842	$2,005.23		$140.37		$2,145.60	$3,530.39	$14.00	$5,689.99
843	$2,007.60		$140.53		$2,148.13	$3,534.57	$14.00	$5,696.70
844	$2,009.96		$140.70		$2,150.66	$3,538.75	$14.00	$5,703.41
845	$2,012.33		$140.86		$2,153.19	$3,542.93	$14.00	$5,710.12
846	$2,014.69		$141.03		$2,155.72	$3,547.11	$14.00	$5,716.83
847	$2,017.06		$141.19		$2,158.25	$3,551.29	$14.00	$5,723.54

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
848	$2,019.42	$141.36	$2,160.78	$3,555.47	$14.00	$5,730.25
849	$2,021.79	$141.53	$2,163.31	$3,559.65	$14.00	$5,736.96
850	$2,024.15	$141.69	$2,165.84	$3,563.83	$14.00	$5,743.67
851	$2,026.52	$141.86	$2,168.37	$3,568.01	$14.00	$5,750.38
852	$2,028.88	$142.02	$2,170.91	$3,572.19	$14.00	$5,757.10
853	$2,031.25	$142.19	$2,173.44	$3,576.37	$14.00	$5,763.81
854	$2,033.61	$142.35	$2,175.97	$3,580.55	$14.00	$5,770.52
855	$2,035.98	$142.52	$2,178.50	$3,584.73	$14.00	$5,777.23
856	$2,038.34	$142.68	$2,181.03	$3,588.91	$14.00	$5,783.94
857	$2,040.71	$142.85	$2,183.56	$3,593.09	$14.00	$5,790.65
858	$2,043.07	$143.02	$2,186.09	$3,597.27	$14.00	$5,797.36
859	$2,045.44	$143.18	$2,188.62	$3,601.45	$14.00	$5,804.07
860	$2,047.80	$143.35	$2,191.15	$3,605.63	$14.00	$5,810.78
861	$2,050.17	$143.51	$2,193.68	$3,609.81	$14.00	$5,817.49
862	$2,052.53	$143.68	$2,196.21	$3,613.99	$14.00	$5,824.20
863	$2,054.90	$143.84	$2,198.74	$3,618.17	$14.00	$5,830.91
864	$2,057.26	$144.01	$2,201.27	$3,622.35	$14.00	$5,837.62
865	$2,059.63	$144.17	$2,203.80	$3,626.53	$14.00	$5,844.33
866	$2,061.99	$144.34	$2,206.33	$3,630.71	$14.00	$5,851.04
867	$2,064.36	$144.51	$2,208.86	$3,634.89	$14.00	$5,857.75
868	$2,066.72	$144.67	$2,211.39	$3,639.07	$14.00	$5,864.46
869	$2,069.09	$144.84	$2,213.92	$3,643.25	$14.00	$5,871.17
870	$2,071.45	$145.00	$2,216.46	$3,647.43	$14.00	$5,877.89
871	$2,073.82	$145.17	$2,218.99	$3,651.61	$14.00	$5,884.60
872	$2,076.18	$145.33	$2,221.52	$3,655.79	$14.00	$5,891.31
873	$2,078.55	$145.50	$2,224.05	$3,659.97	$14.00	$5,898.02
874	$2,080.91	$145.66	$2,226.58	$3,664.15	$14.00	$5,904.73
875	$2,083.28	$145.83	$2,229.11	$3,668.33	$14.00	$5,911.44
876	$2,085.64	$146.00	$2,231.64	$3,672.51	$14.00	$5,918.15
877	$2,088.01	$146.16	$2,234.17	$3,676.69	$14.00	$5,924.86
878	$2,090.37	$146.33	$2,236.70	$3,680.87	$14.00	$5,931.57
879	$2,092.74	$146.49	$2,239.23	$3,685.05	$14.00	$5,938.28
880	$2,095.10	$146.66	$2,241.76	$3,689.23	$14.00	$5,944.99
881	$2,097.47	$146.82	$2,244.29	$3,693.41	$14.00	$5,951.70
882	$2,099.83	$146.99	$2,246.82	$3,697.59	$14.00	$5,958.41
883	$2,102.20	$147.15	$2,249.35	$3,701.77	$14.00	$5,965.12
884	$2,104.56	$147.32	$2,251.88	$3,705.95	$14.00	$5,971.83
885	$2,106.93	$147.48	$2,254.41	$3,710.13	$14.00	$5,978.54
886	$2,109.29	$147.65	$2,256.94	$3,714.31	$14.00	$5,985.25
887	$2,111.66	$147.82	$2,259.47	$3,718.49	$14.00	$5,991.96
888	$2,114.02	$147.98	$2,262.00	$3,722.67	$14.00	$5,998.67
889	$2,116.39	$148.15	$2,264.54	$3,726.85	$14.00	$6,005.39
890	$2,118.75	$148.31	$2,267.07	$3,731.03	$14.00	$6,012.10
891	$2,121.12	$148.48	$2,269.60	$3,735.21	$14.00	$6,018.81
892	$2,123.48	$148.64	$2,272.13	$3,739.39	$14.00	$6,025.52
893	$2,125.85	$148.81	$2,274.66	$3,743.57	$14.00	$6,032.23
894	$2,128.21	$148.97	$2,277.19	$3,747.75	$14.00	$6,038.94

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+	*7%*	=	Water	Sewer	Garbage	Total
895	$2,130.58		$149.14		$2,279.72	$3,751.93	$14.00	$6,045.65
896	$2,132.94		$149.31		$2,282.25	$3,756.11	$14.00	$6,052.36
897	$2,135.31		$149.47		$2,284.78	$3,760.29	$14.00	$6,059.07
898	$2,137.67		$149.64		$2,287.31	$3,764.47	$14.00	$6,065.78
899	$2,140.04		$149.80		$2,289.84	$3,768.65	$14.00	$6,072.49
900	$2,142.40		$149.97		$2,292.37	$3,772.83	$14.00	$6,079.20
901	$2,144.77		$150.13		$2,294.90	$3,777.01	$14.00	$6,085.91
902	$2,147.13		$150.30		$2,297.43	$3,781.19	$14.00	$6,092.62
903	$2,149.50		$150.46		$2,299.96	$3,785.37	$14.00	$6,099.33
904	$2,151.86		$150.63		$2,302.49	$3,789.55	$14.00	$6,106.04
905	$2,154.23		$150.80		$2,305.02	$3,793.73	$14.00	$6,112.75
906	$2,156.59		$150.96		$2,307.55	$3,797.91	$14.00	$6,119.46
907	$2,158.96		$151.13		$2,310.09	$3,802.09	$14.00	$6,126.18
908	$2,161.32		$151.29		$2,312.62	$3,806.27	$14.00	$6,132.89
909	$2,163.69		$151.46		$2,315.15	$3,810.45	$14.00	$6,139.60
910	$2,166.05		$151.62		$2,317.68	$3,814.63	$14.00	$6,146.31
911	$2,168.42		$151.79		$2,320.21	$3,818.81	$14.00	$6,153.02
912	$2,170.78		$151.95		$2,322.74	$3,822.99	$14.00	$6,159.73
913	$2,173.15		$152.12		$2,325.27	$3,827.17	$14.00	$6,166.44
914	$2,175.51		$152.29		$2,327.80	$3,831.35	$14.00	$6,173.15
915	$2,177.88		$152.45		$2,330.33	$3,835.53	$14.00	$6,179.86
916	$2,180.24		$152.62		$2,332.86	$3,839.71	$14.00	$6,186.57
917	$2,182.61		$152.78		$2,335.39	$3,843.89	$14.00	$6,193.28
918	$2,184.97		$152.95		$2,337.92	$3,848.07	$14.00	$6,199.99
919	$2,187.34		$153.11		$2,340.45	$3,852.25	$14.00	$6,206.70
920	$2,189.70		$153.28		$2,342.98	$3,856.43	$14.00	$6,213.41
921	$2,192.07		$153.44		$2,345.51	$3,860.61	$14.00	$6,220.12
922	$2,194.43		$153.61		$2,348.04	$3,864.79	$14.00	$6,226.83
923	$2,196.80		$153.78		$2,350.57	$3,868.97	$14.00	$6,233.54
924	$2,199.16		$153.94		$2,353.10	$3,873.15	$14.00	$6,240.25
925	$2,201.53		$154.11		$2,355.64	$3,877.33	$14.00	$6,246.97
926	$2,203.89		$154.27		$2,358.17	$3,881.51	$14.00	$6,253.68
927	$2,206.26		$154.44		$2,360.70	$3,885.69	$14.00	$6,260.39
928	$2,208.62		$154.60		$2,363.23	$3,889.87	$14.00	$6,267.10
929	$2,210.99		$154.77		$2,365.76	$3,894.05	$14.00	$6,273.81
930	$2,213.35		$154.93		$2,368.29	$3,898.23	$14.00	$6,280.52
931	$2,215.72		$155.10		$2,370.82	$3,902.41	$14.00	$6,287.23
932	$2,218.08		$155.27		$2,373.35	$3,906.59	$14.00	$6,293.94
933	$2,220.45		$155.43		$2,375.88	$3,910.77	$14.00	$6,300.65
934	$2,222.81		$155.60		$2,378.41	$3,914.95	$14.00	$6,307.36
935	$2,225.18		$155.76		$2,380.94	$3,919.13	$14.00	$6,314.07
936	$2,227.54		$155.93		$2,383.47	$3,923.31	$14.00	$6,320.78
937	$2,229.91		$156.09		$2,386.00	$3,927.49	$14.00	$6,327.49
938	$2,232.27		$156.26		$2,388.53	$3,931.67	$14.00	$6,334.20
939	$2,234.64		$156.42		$2,391.06	$3,935.85	$14.00	$6,340.91
940	$2,237.00		$156.59		$2,393.59	$3,940.03	$14.00	$6,347.62
941	$2,239.37		$156.76		$2,396.12	$3,944.21	$14.00	$6,354.33

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+	*7%*	=	Water	Sewer	Garbage	Total
942	$2,241.73		$156.92		$2,398.65	$3,948.39	$14.00	$6,361.04
943	$2,244.10		$157.09		$2,401.19	$3,952.57	$14.00	$6,367.76
944	$2,246.46		$157.25		$2,403.72	$3,956.75	$14.00	$6,374.47
945	$2,248.83		$157.42		$2,406.25	$3,960.93	$14.00	$6,381.18
946	$2,251.19		$157.58		$2,408.78	$3,965.11	$14.00	$6,387.89
947	$2,253.56		$157.75		$2,411.31	$3,969.29	$14.00	$6,394.60
948	$2,255.92		$157.91		$2,413.84	$3,973.47	$14.00	$6,401.31
949	$2,258.29		$158.08		$2,416.37	$3,977.65	$14.00	$6,408.02
950	$2,260.65		$158.25		$2,418.90	$3,981.83	$14.00	$6,414.73
951	$2,263.02		$158.41		$2,421.43	$3,986.01	$14.00	$6,421.44
952	$2,265.38		$158.58		$2,423.96	$3,990.19	$14.00	$6,428.15
953	$2,267.75		$158.74		$2,426.49	$3,994.37	$14.00	$6,434.86
954	$2,270.11		$158.91		$2,429.02	$3,998.55	$14.00	$6,441.57
955	$2,272.48		$159.07		$2,431.55	$4,002.73	$14.00	$6,448.28
956	$2,274.84		$159.24		$2,434.08	$4,006.91	$14.00	$6,454.99
957	$2,277.21		$159.40		$2,436.61	$4,011.09	$14.00	$6,461.70
958	$2,279.57		$159.57		$2,439.14	$4,015.27	$14.00	$6,468.41
959	$2,281.94		$159.74		$2,441.67	$4,019.45	$14.00	$6,475.12
960	$2,284.30		$159.90		$2,444.20	$4,023.63	$14.00	$6,481.83
961	$2,286.67		$160.07		$2,446.74	$4,027.81	$14.00	$6,488.55
962	$2,289.03		$160.23		$2,449.27	$4,031.99	$14.00	$6,495.26
963	$2,291.40		$160.40		$2,451.80	$4,036.17	$14.00	$6,501.97
964	$2,293.76		$160.56		$2,454.33	$4,040.35	$14.00	$6,508.68
965	$2,296.13		$160.73		$2,456.86	$4,044.53	$14.00	$6,515.39
966	$2,298.49		$160.89		$2,459.39	$4,048.71	$14.00	$6,522.10
967	$2,300.86		$161.06		$2,461.92	$4,052.89	$14.00	$6,528.81
968	$2,303.22		$161.23		$2,464.45	$4,057.07	$14.00	$6,535.52
969	$2,305.59		$161.39		$2,466.98	$4,061.25	$14.00	$6,542.23
970	$2,307.95		$161.56		$2,469.51	$4,065.43	$14.00	$6,548.94
971	$2,310.32		$161.72		$2,472.04	$4,069.61	$14.00	$6,555.65
972	$2,312.68		$161.89		$2,474.57	$4,073.79	$14.00	$6,562.36
973	$2,315.05		$162.05		$2,477.10	$4,077.97	$14.00	$6,569.07
974	$2,317.41		$162.22		$2,479.63	$4,082.15	$14.00	$6,575.78
975	$2,319.78		$162.38		$2,482.16	$4,086.33	$14.00	$6,582.49
976	$2,322.14		$162.55		$2,484.69	$4,090.51	$14.00	$6,589.20
977	$2,324.51		$162.72		$2,487.22	$4,094.69	$14.00	$6,595.91
978	$2,326.87		$162.88		$2,489.75	$4,098.87	$14.00	$6,602.62
979	$2,329.24		$163.05		$2,492.29	$4,103.05	$14.00	$6,609.34
980	$2,331.60		$163.21		$2,494.82	$4,107.23	$14.00	$6,616.05
981	$2,333.97		$163.38		$2,497.35	$4,111.41	$14.00	$6,622.76
982	$2,336.33		$163.54		$2,499.88	$4,115.59	$14.00	$6,629.47
983	$2,338.70		$163.71		$2,502.41	$4,119.77	$14.00	$6,636.18
984	$2,341.06		$163.87		$2,504.94	$4,123.95	$14.00	$6,642.89
985	$2,343.43		$164.04		$2,507.47	$4,128.13	$14.00	$6,649.60
986	$2,345.79		$164.21		$2,510.00	$4,132.31	$14.00	$6,656.31
987	$2,348.16		$164.37		$2,512.53	$4,136.49	$14.00	$6,663.02
988	$2,350.52		$164.54		$2,515.06	$4,140.67	$14.00	$6,669.73

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+	*7%*	=	Water	Sewer	Garbage	Total
989	$2,352.89		$164.70		$2,517.59	$4,144.85	$14.00	$6,676.44
990	$2,355.25		$164.87		$2,520.12	$4,149.03	$14.00	$6,683.15
991	$2,357.62		$165.03		$2,522.65	$4,153.21	$14.00	$6,689.86
992	$2,359.98		$165.20		$2,525.18	$4,157.39	$14.00	$6,696.57
993	$2,362.35		$165.36		$2,527.71	$4,161.57	$14.00	$6,703.28
994	$2,364.71		$165.53		$2,530.24	$4,165.75	$14.00	$6,709.99
995	$2,367.08		$165.70		$2,532.77	$4,169.93	$14.00	$6,716.70
996	$2,369.44		$165.86		$2,535.30	$4,174.11	$14.00	$6,723.41
997	$2,371.81		$166.03		$2,537.83	$4,178.29	$14.00	$6,730.12
998	$2,374.17		$166.19		$2,540.37	$4,182.47	$14.00	$6,736.84
999	$2,376.54		$166.36		$2,542.90	$4,186.65	$14.00	$6,743.55
1000	$2,378.90		$166.52		$2,545.43	$4,190.83	$14.00	$6,750.26
1001	$2,381.27		$166.69		$2,547.96	$4,195.01	$14.00	$6,756.97
1002	$2,383.63		$166.85		$2,550.49	$4,199.19	$14.00	$6,763.68
1003	$2,386.00		$167.02		$2,553.02	$4,203.37	$14.00	$6,770.39
1004	$2,388.36		$167.19		$2,555.55	$4,207.55	$14.00	$6,777.10
1005	$2,390.73		$167.35		$2,558.08	$4,211.73	$14.00	$6,783.81
1006	$2,393.09		$167.52		$2,560.61	$4,215.91	$14.00	$6,790.52
1007	$2,395.46		$167.68		$2,563.14	$4,220.09	$14.00	$6,797.23
1008	$2,397.82		$167.85		$2,565.67	$4,224.27	$14.00	$6,803.94
1009	$2,400.19		$168.01		$2,568.20	$4,228.45	$14.00	$6,810.65
1010	$2,402.55		$168.18		$2,570.73	$4,232.63	$14.00	$6,817.36
1011	$2,404.92		$168.34		$2,573.26	$4,236.81	$14.00	$6,824.07
1012	$2,407.28		$168.51		$2,575.79	$4,240.99	$14.00	$6,830.78
1013	$2,409.65		$168.68		$2,578.32	$4,245.17	$14.00	$6,837.49
1014	$2,412.01		$168.84		$2,580.85	$4,249.35	$14.00	$6,844.20
1015	$2,414.38		$169.01		$2,583.38	$4,253.53	$14.00	$6,850.91
1016	$2,416.74		$169.17		$2,585.92	$4,257.71	$14.00	$6,857.63
1017	$2,419.11		$169.34		$2,588.45	$4,261.89	$14.00	$6,864.34
1018	$2,421.47		$169.50		$2,590.98	$4,266.07	$14.00	$6,871.05
1019	$2,423.84		$169.67		$2,593.51	$4,270.25	$14.00	$6,877.76
1020	$2,426.20		$169.83		$2,596.04	$4,274.43	$14.00	$6,884.47
1021	$2,428.57		$170.00		$2,598.57	$4,278.61	$14.00	$6,891.18
1022	$2,430.93		$170.17		$2,601.10	$4,282.79	$14.00	$6,897.89
1023	$2,433.30		$170.33		$2,603.63	$4,286.97	$14.00	$6,904.60
1024	$2,435.66		$170.50		$2,606.16	$4,291.15	$14.00	$6,911.31
1025	$2,438.03		$170.66		$2,608.69	$4,295.33	$14.00	$6,918.02
1026	$2,440.39		$170.83		$2,611.22	$4,299.51	$14.00	$6,924.73
1027	$2,442.76		$170.99		$2,613.75	$4,303.69	$14.00	$6,931.44
1028	$2,445.12		$171.16		$2,616.28	$4,307.87	$14.00	$6,938.15
1029	$2,447.49		$171.32		$2,618.81	$4,312.05	$14.00	$6,944.86
1030	$2,449.85		$171.49		$2,621.34	$4,316.23	$14.00	$6,951.57
1031	$2,452.22		$171.66		$2,623.87	$4,320.41	$14.00	$6,958.28
1032	$2,454.58		$171.82		$2,626.40	$4,324.59	$14.00	$6,964.99
1033	$2,456.95		$171.99		$2,628.93	$4,328.77	$14.00	$6,971.70
1034	$2,459.31		$172.15		$2,631.47	$4,332.95	$14.00	$6,978.42
1035	$2,461.68		$172.32		$2,634.00	$4,337.13	$14.00	$6,985.13

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
1036	$2,464.04	$172.48	$2,636.53	$4,341.31	$14.00	$6,991.84
1037	$2,466.41	$172.65	$2,639.06	$4,345.49	$14.00	$6,998.55
1038	$2,468.77	$172.81	$2,641.59	$4,349.67	$14.00	$7,005.26
1039	$2,471.14	$172.98	$2,644.12	$4,353.85	$14.00	$7,011.97
1040	$2,473.50	$173.15	$2,646.65	$4,358.03	$14.00	$7,018.68
1041	$2,475.87	$173.31	$2,649.18	$4,362.21	$14.00	$7,025.39
1042	$2,478.23	$173.48	$2,651.71	$4,366.39	$14.00	$7,032.10
1043	$2,480.60	$173.64	$2,654.24	$4,370.57	$14.00	$7,038.81
1044	$2,482.96	$173.81	$2,656.77	$4,374.75	$14.00	$7,045.52
1045	$2,485.33	$173.97	$2,659.30	$4,378.93	$14.00	$7,052.23
1046	$2,487.69	$174.14	$2,661.83	$4,383.11	$14.00	$7,058.94
1047	$2,490.06	$174.30	$2,664.36	$4,387.29	$14.00	$7,065.65
1048	$2,492.42	$174.47	$2,666.89	$4,391.47	$14.00	$7,072.36
1049	$2,494.79	$174.64	$2,669.42	$4,395.65	$14.00	$7,079.07
1050	$2,497.15	$174.80	$2,671.95	$4,399.83	$14.00	$7,085.78
1051	$2,499.52	$174.97	$2,674.48	$4,404.01	$14.00	$7,092.49
1052	$2,501.88	$175.13	$2,677.02	$4,408.19	$14.00	$7,099.21
1053	$2,504.25	$175.30	$2,679.55	$4,412.37	$14.00	$7,105.92
1054	$2,506.61	$175.46	$2,682.08	$4,416.55	$14.00	$7,112.63
1055	$2,508.98	$175.63	$2,684.61	$4,420.73	$14.00	$7,119.34
1056	$2,511.34	$175.79	$2,687.14	$4,424.91	$14.00	$7,126.05
1057	$2,513.71	$175.96	$2,689.67	$4,429.09	$14.00	$7,132.76
1058	$2,516.07	$176.13	$2,692.20	$4,433.27	$14.00	$7,139.47
1059	$2,518.44	$176.29	$2,694.73	$4,437.45	$14.00	$7,146.18
1060	$2,520.80	$176.46	$2,697.26	$4,441.63	$14.00	$7,152.89
1061	$2,523.17	$176.62	$2,699.79	$4,445.81	$14.00	$7,159.60
1062	$2,525.53	$176.79	$2,702.32	$4,449.99	$14.00	$7,166.31
1063	$2,527.90	$176.95	$2,704.85	$4,454.17	$14.00	$7,173.02
1064	$2,530.26	$177.12	$2,707.38	$4,458.35	$14.00	$7,179.73
1065	$2,532.63	$177.28	$2,709.91	$4,462.53	$14.00	$7,186.44
1066	$2,534.99	$177.45	$2,712.44	$4,466.71	$14.00	$7,193.15
1067	$2,537.36	$177.62	$2,714.97	$4,470.89	$14.00	$7,199.86
1068	$2,539.72	$177.78	$2,717.50	$4,475.07	$14.00	$7,206.57
1069	$2,542.09	$177.95	$2,720.03	$4,479.25	$14.00	$7,213.28
1070	$2,544.45	$178.11	$2,722.57	$4,483.43	$14.00	$7,220.00
1071	$2,546.82	$178.28	$2,725.10	$4,487.61	$14.00	$7,226.71
1072	$2,549.18	$178.44	$2,727.63	$4,491.79	$14.00	$7,233.42
1073	$2,551.55	$178.61	$2,730.16	$4,495.97	$14.00	$7,240.13
1074	$2,553.91	$178.77	$2,732.69	$4,500.15	$14.00	$7,246.84
1075	$2,556.28	$178.94	$2,735.22	$4,504.33	$14.00	$7,253.55
1076	$2,558.64	$179.11	$2,737.75	$4,508.51	$14.00	$7,260.26
1077	$2,561.01	$179.27	$2,740.28	$4,512.69	$14.00	$7,266.97
1078	$2,563.37	$179.44	$2,742.81	$4,516.87	$14.00	$7,273.68
1079	$2,565.74	$179.60	$2,745.34	$4,521.05	$14.00	$7,280.39
1080	$2,568.10	$179.77	$2,747.87	$4,525.23	$14.00	$7,287.10
1081	$2,570.47	$179.93	$2,750.40	$4,529.41	$14.00	$7,293.81
1082	$2,572.83	$180.10	$2,752.93	$4,533.59	$14.00	$7,300.52

COMMERCIAL MONTHLY BILLING CHARGES - AS OF 10/31/2016

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
1083	$2,575.20	$180.26	$2,755.46	$4,537.77	$14.00	$7,307.23
1084	$2,577.56	$180.43	$2,757.99	$4,541.95	$14.00	$7,313.94
1085	$2,579.93	$180.59	$2,760.52	$4,546.13	$14.00	$7,320.65
1086	$2,582.29	$180.76	$2,763.05	$4,550.31	$14.00	$7,327.36
1087	$2,584.66	$180.93	$2,765.58	$4,554.49	$14.00	$7,334.07
1088	$2,587.02	$181.09	$2,768.11	$4,558.67	$14.00	$7,340.78
1089	$2,589.39	$181.26	$2,770.65	$4,562.85	$14.00	$7,347.50
1090	$2,591.75	$181.42	$2,773.18	$4,567.03	$14.00	$7,354.21
1091	$2,594.12	$181.59	$2,775.71	$4,571.21	$14.00	$7,360.92
1092	$2,596.48	$181.75	$2,778.24	$4,575.39	$14.00	$7,367.63
1093	$2,598.85	$181.92	$2,780.77	$4,579.57	$14.00	$7,374.34
1094	$2,601.21	$182.08	$2,783.30	$4,583.75	$14.00	$7,381.05
1095	$2,603.58	$182.25	$2,785.83	$4,587.93	$14.00	$7,387.76
1096	$2,605.94	$182.42	$2,788.36	$4,592.11	$14.00	$7,394.47
1097	$2,608.31	$182.58	$2,790.89	$4,596.29	$14.00	$7,401.18
1098	$2,610.67	$182.75	$2,793.42	$4,600.47	$14.00	$7,407.89
1099	$2,613.04	$182.91	$2,795.95	$4,604.65	$14.00	$7,414.60
1100	$2,615.40	$183.08	$2,798.48	$4,608.83	$14.00	$7,421.31

WATER & SEWER RATES OUTSIDE CITY as of 10/31/2015

1000 GALLONS	WATER	SEWER	TOTAL
0	$16.73	$16.73	$33.45
1	$16.73	$23.00	$39.73
2	$16.73	$29.28	$46.01
3	$16.73	$35.56	$52.29
4	$20.40	$41.84	$62.24
5	$24.07	$48.11	$72.18
6	$27.74	$54.39	$82.13
7	$31.42	$60.67	$92.09
8	$35.09	$66.95	$102.04
9	$38.76	$73.23	$111.99
10	$42.43	$79.50	$121.93
11	$46.10	$85.78	$131.88
12	$49.78	$92.06	$141.84
13	$53.45	$928.34	$981.79
14	$57.12	$104.62	$161.74
15	$60.79	$110.89	$171.68
16	$64.46	$117.17	$181.63
17	$68.14	$123.45	$191.59
18	$71.81	$129.73	$201.54
19	$75.48	$136.00	$211.48
20	$79.15	$142.28	$221.43
21	$82.82	$148.56	$231.38
22	$86.50	$154.84	$241.34
23	$90.17	$161.12	$251.29
24	$93.84	$167.39	$261.23
25	$97.51	$173.67	$271.18
26	$101.18	$179.95	$281.13
27	$104.86	$186.23	$291.09
28	$108.53	$192.51	$301.04
29	$112.20	$198.78	$310.98
30	$115.87	$205.06	$320.93
31	$119.54	$211.34	$330.88
32	$123.22	$217.62	$340.84
33	$126.89	$223.89	$350.78
34	$130.56	$230.17	$360.73
35	$134.23	$236.45	$370.68
36	$137.90	$242.73	$380.63
37	$141.58	$249.01	$390.59
38	$145.25	$255.28	$400.53
39	$148.92	$261.56	$410.48
40	$152.59	$267.84	$420.43
41	$156.26	$274.12	$430.38
42	$159.93	$280.40	$440.33
43	$163.61	$286.67	$450.28
44	$167.28	$292.95	$460.23
45	$170.95	$299.23	$470.18
46	$174.62	$305.51	$480.13
47	$178.29	$311.78	$490.07
48	$181.97	$318.06	$500.03
49	$185.64	$324.34	$509.98
50	$189.31	$330.62	$519.93
51	$192.98	$336.90	$529.88
52	$196.65	$343.17	$539.82
53	$200.33	$349.45	$549.78
54	$204.00	$355.73	$559.73
55	$207.67	$362.01	$569.68
56	$211.34	$368.29	$579.63
57	$215.01	$374.56	$589.57
58	$218.69	$380.84	$599.53

59	$222.36	$387.12	$609.48
60	$226.03	$393.40	$619.43
61	$229.70	$399.67	$629.37
62	$233.37	$405.95	$639.32
63	$237.05	$412.23	$649.28
64	$240.72	$418.51	$659.23
65	$244.39	$424.79	$669.18
66	$248.06	$431.06	$679.12
67	$251.73	$437.34	$689.07
68	$255.41	$443.62	$699.03
69	$259.08	$449.90	$708.98
70	$262.75	$456.17	$718.92
71	$266.42	$462.45	$728.87
72	$270.09	$468.73	$738.82
73	$273.77	$475.01	$748.78
74	$277.44	$481.29	$758.73
75	$281.11	$487.56	$768.67
76	$284.78	$493.84	$778.62
77	$288.45	$500.12	$788.57
78	$292.13	$506.40	$798.53
79	$295.80	$512.68	$808.48
80	$299.47	$518.95	$818.42
81	$303.14	$525.23	$828.37
82	$306.81	$531.51	$838.32
83	$310.48	$537.79	$848.27
84	$314.16	$544.06	$858.22
85	$317.83	$550.34	$868.17
86	$321.50	$556.62	$878.12
87	$325.17	$562.90	$888.07
88	$328.84	$569.18	$898.02
89	$332.52	$575.45	$907.97
90	$336.19	$581.73	$917.92
91	$339.86	$588.01	$927.87
92	$343.53	$594.29	$937.82
93	$347.20	$600.57	$947.77
94	$350.88	$606.84	$957.72
95	$354.55	$613.12	$967.67
96	$358.22	$619.40	$977.62
97	$361.89	$625.68	$987.57
98	$365.56	$631.95	$997.51
99	$369.24	$638.23	$1,007.47
100	$372.91	$644.51	$1,017.42
101	$376.58	$650.79	$1,027.37
102	$380.25	$657.07	$1,037.32
103	$383.92	$663.34	$1,047.26
104	$387.60	$669.62	$1,057.22
105	$391.27	$675.90	$1,067.17
106	$394.94	$682.18	$1,077.12
107	$398.61	$688.46	$1,087.07
108	$402.28	$694.73	$1,097.01
109	$405.96	$701.01	$1,106.97
110	$409.63	$707.29	$1,116.92
111	$413.30	$713.57	$1,126.87
112	$416.97	$719.84	$1,136.81
113	$420.64	$726.12	$1,146.76
114	$424.32	$732.40	$1,156.72
115	$427.99	$738.68	$1,166.67
116	$431.66	$744.96	$1,176.62
117	$435.33	$751.23	$1,186.56
118	$439.00	$757.51	$1,196.51
119	$442.68	$763.79	$1,206.47
120	$446.35	$770.07	$1,216.42

121	$450.02	$776.35	$1,226.37
122	$453.69	$782.62	$1,236.31
123	$457.36	$788.90	$1,246.26
124	$461.03	$795.18	$1,256.21
125	$464.71	$801.46	$1,266.17
126	$468.38	$807.73	$1,276.11
127	$472.05	$814.01	$1,286.06
128	$475.72	$820.29	$1,296.01
129	$479.39	$826.57	$1,305.96
130	$483.07	$832.85	$1,315.92
131	$486.74	$839.12	$1,325.86
132	$490.41	$845.40	$1,335.81
133	$494.08	$851.68	$1,345.76
134	$497.75	$857.96	$1,355.71
135	$501.43	$864.24	$1,365.67
136	$505.10	$870.51	$1,375.61
137	$508.77	$876.79	$1,385.56
138	$512.44	$883.07	$1,395.51
139	$516.11	$889.35	$1,405.46
140	$519.79	$895.62	$1,415.41
141	$523.46	$901.90	$1,425.36
142	$527.13	$908.18	$1,435.31
143	$530.80	$914.46	$1,445.26
144	$534.47	$920.74	$1,455.21
145	$538.15	$927.01	$1,465.16
146	$541.82	$933.29	$1,475.11
147	$545.49	$939.57	$1,485.06
148	$549.16	$945.85	$1,495.01
149	$552.83	$952.13	$1,504.96
150	$556.51	$958.40	$1,514.91
151	$560.18	$964.68	$1,524.86
152	$563.85	$970.96	$1,534.81
153	$567.52	$977.24	$1,544.76
154	$571.19	$983.51	$1,554.70
155	$574.87	$989.79	$1,564.66
156	$578.54	$996.07	$1,574.61
157	$582.21	$1,002.35	$1,584.56
158	$585.88	$1,008.63	$1,594.51
159	$589.55	$1,014.90	$1,604.45
160	$593.23	$1,021.18	$1,614.41
161	$596.90	$1,027.46	$1,624.36
162	$600.57	$1,033.74	$1,634.31
163	$604.24	$1,040.02	$1,644.26
164	$607.91	$1,046.29	$1,654.20
165	$611.58	$1,052.57	$1,664.15
166	$615.26	$1,058.85	$1,674.11
167	$618.93	$1,065.13	$1,684.06
168	$622.60	$1,071.40	$1,694.00
169	$626.27	$1,077.68	$1,703.95
170	$629.94	$1,083.96	$1,713.90
171	$633.62	$1,090.24	$1,723.86
172	$637.29	$1,096.52	$1,733.81
173	$640.96	$1,102.79	$1,743.75
174	$644.63	$1,109.07	$1,753.70
175	$648.30	$1,115.35	$1,763.65
176	$651.98	$1,121.63	$1,773.61
177	$655.65	$1,127.90	$1,783.55
178	$659.32	$1,134.18	$1,793.50
179	$662.99	$1,140.46	$1,803.45
180	$666.66	$1,146.74	$1,813.40
181	$670.34	$1,153.02	$1,823.36
182	$674.01	$1,159.29	$1,833.30

183	$677.68	$1,165.57	$1,843.25
184	$681.35	$1,171.85	$1,853.20
185	$685.02	$1,178.13	$1,863.15
186	$688.70	$1,184.41	$1,873.11
187	$692.37	$1,190.68	$1,883.05
188	$696.04	$1,196.96	$1,893.00
189	$699.71	$1,203.24	$1,902.95
190	$703.38	$1,209.52	$1,912.90
191	$707.06	$1,215.79	$1,922.85
192	$710.73	$1,222.07	$1,932.80
193	$714.40	$1,228.35	$1,942.75
194	$718.07	$1,234.63	$1,952.70
195	$721.74	$1,240.91	$1,962.65
196	$725.42	$1,247.18	$1,972.60
197	$729.09	$1,253.46	$1,982.55
198	$732.76	$1,259.74	$1,992.50
199	$736.43	$1,266.02	$2,002.45
200	$740.10	$1,272.30	$2,012.40

RESIDENTIAL MONTHLY BILLING CHARGES- Proposed 2019-2020

1000 GALLONS	WATER	SEWER	GARBAGE	TOTAL
0	$12.19	$12.19	$14.00	$38.39
1	$12.19	$16.89	$14.00	$43.09
2	$12.19	$21.60	$14.00	$47.79
3	$12.19	$26.30	$14.00	$52.50
4	$14.86	$31.01	$14.00	$59.87
5	$17.52	$35.71	$14.00	$67.23
6	$20.18	$40.42	$14.00	$74.60
7	$22.84	$45.12	$14.00	$81.96
8	$25.50	$49.83	$14.00	$89.33
9	$28.16	$54.53	$14.00	$96.69
10	$30.83	$59.24	$14.00	$104.06
11	$33.48	$63.94	$14.00	$111.42
12	$36.15	$68.64	$14.00	$118.80
13	$38.81	$73.35	$14.00	$126.16
14	$41.47	$78.05	$14.00	$133.53
15	$44.13	$82.76	$14.00	$140.89
16	$46.80	$87.46	$14.00	$148.26
17	$49.45	$92.17	$14.00	$155.62
18	$52.12	$96.87	$14.00	$162.99
19	$54.78	$101.58	$14.00	$170.36
20	$57.45	$106.28	$14.00	$177.73
21	$60.10	$110.99	$14.00	$185.09
22	$62.77	$115.69	$14.00	$192.46
23	$65.43	$120.40	$14.00	$199.82
24	$68.09	$125.10	$14.00	$207.19
25	$70.75	$129.80	$14.00	$214.55
26	$73.42	$134.51	$14.00	$221.93
27	$76.07	$139.21	$14.00	$229.29
28	$78.74	$143.92	$14.00	$236.66
29	$81.40	$148.62	$14.00	$244.02
30	$84.06	$153.33	$14.00	$251.39
31	$86.72	$158.03	$14.00	$258.75
32	$89.39	$162.74	$14.00	$266.13
33	$92.04	$167.44	$14.00	$273.49
34	$94.71	$172.15	$14.00	$280.86
35	$97.37	$176.85	$14.00	$288.22
36	$100.04	$181.56	$14.00	$295.59
37	$102.69	$186.26	$14.00	$302.95
38	$105.36	$190.97	$14.00	$310.32
39	$108.02	$195.67	$14.00	$317.68
40	$110.72	$200.37	$14.00	$325.09
41	$113.34	$205.08	$14.00	$332.42
42	$116.01	$209.78	$14.00	$339.79
43	$118.66	$214.49	$14.00	$347.15
44	$121.33	$219.19	$14.00	$354.52
45	$123.99	$223.90	$14.00	$361.88
46	$126.65	$228.60	$14.00	$369.26
47	$129.31	$233.31	$14.00	$376.62
48	$131.98	$238.01	$14.00	$383.99
49	$134.63	$242.72	$14.00	$391.35
50	$137.30	$247.42	$14.00	$398.72
51	$139.96	$252.13	$14.00	$406.08
52	$142.62	$256.83	$14.00	$413.45
53	$145.28	$261.53	$14.00	$420.82
54	$147.95	$266.24	$14.00	$428.19
55	$150.60	$270.94	$14.00	$435.55
56	$153.27	$275.65	$14.00	$442.92
57	$155.93	$280.35	$14.00	$450.28
58	$158.60	$285.06	$14.00	$457.65

59	$161.25	$289.76	$14.00	$465.01
60	$163.92	$294.69	$14.00	$472.61
61	$166.58	$299.17	$14.00	$479.75
62	$169.24	$303.88	$14.00	$487.12
63	$171.90	$308.58	$14.00	$494.48
64	$174.57	$313.29	$14.00	$501.85
65	$177.22	$317.99	$14.00	$509.21
66	$179.89	$322.69	$14.00	$516.58
67	$182.55	$327.40	$14.00	$523.95
68	$185.21	$332.10	$14.00	$531.32
69	$187.87	$336.81	$14.00	$538.68
70	$182.55	$341.51	$14.00	$538.06
71	$193.19	$346.22	$14.00	$553.41
72	$195.86	$350.92	$14.00	$560.78
73	$198.52	$355.63	$14.00	$568.14
74	$201.18	$360.33	$14.00	$575.52
75	$207.22	$365.04	$14.00	$586.25
76	$206.51	$369.74	$14.00	$590.25
77	$209.16	$374.45	$14.00	$597.61
78	$211.83	$379.15	$14.00	$604.98
79	$214.66	$383.85	$14.00	$612.51
80	$217.16	$388.56	$14.00	$619.72
81	$219.81	$393.26	$14.00	$627.08
82	$222.48	$397.97	$14.00	$634.45
83	$225.14	$402.67	$14.00	$641.81
84	$227.80	$407.38	$14.00	$649.18
85	$230.46	$412.08	$14.00	$656.54
86	$233.13	$416.58	$14.00	$663.71
87	$235.78	$421.49	$14.00	$671.27
88	$238.45	$426.20	$14.00	$678.65
89	$241.11	$430.90	$14.00	$686.01
90	$243.77	$435.61	$14.00	$693.38
91	$246.43	$440.31	$14.00	$700.74
92	$249.10	$445.01	$14.00	$708.11
93	$251.75	$449.72	$14.00	$715.47
94	$254.42	$454.42	$14.00	$722.85
95	$257.08	$459.13	$14.00	$730.21
96	$259.74	$463.83	$14.00	$737.58
97	$262.40	$468.54	$14.00	$744.94
98	$265.07	$473.24	$14.00	$752.31
99	$267.72	$477.95	$14.00	$759.67
100	$270.39	$482.65	$14.00	$767.04
101	$273.05	$487.36	$14.00	$774.41
102	$275.72	$492.06	$14.00	$781.78
103	$278.37	$496.77	$14.00	$789.14
104	$281.04	$501.47	$14.00	$796.51
105	$283.70	$506.18	$14.00	$803.87
106	$286.36	$510.88	$14.00	$811.24
107	$289.02	$515.58	$14.00	$818.60
108	$291.69	$520.29	$14.00	$825.98
109	$294.34	$524.99	$14.00	$833.34
110	$297.01	$529.70	$14.00	$840.71
111	$299.67	$534.40	$14.00	$848.07
112	$302.33	$539.11	$14.00	$855.44
113	$304.99	$543.81	$14.00	$862.80
114	$307.66	$548.52	$14.00	$870.17
115	$310.31	$553.22	$14.00	$877.54
116	$312.98	$557.93	$14.00	$884.91
117	$315.64	$562.63	$14.00	$892.27
118	$318.31	$567.34	$14.00	$899.64
119	$320.96	$572.04	$14.00	$907.00
120	$323.63	$576.74	$14.00	$914.37

121	$326.29	$581.45	$14.00	$921.73
122	$328.95	$586.15	$14.00	$929.11
123	$331.61	$590.86	$14.00	$936.47
124	$334.28	$595.56	$14.00	$943.84
125	$336.93	$600.27	$14.00	$951.20
126	$339.60	$604.97	$14.00	$958.57
127	$342.26	$609.68	$14.00	$965.93
128	$344.92	$614.38	$14.00	$973.30
129	$347.58	$619.09	$14.00	$980.67
130	$350.25	$623.79	$14.00	$988.04
131	$352.90	$628.50	$14.00	$995.40
132	$355.57	$633.20	$14.00	$1,002.77
133	$358.23	$637.90	$14.00	$1,010.13
134	$360.89	$642.61	$14.00	$1,017.50
135	$356.49	$647.31	$14.00	$1,017.81
136	$366.22	$652.02	$14.00	$1,032.24
137	$368.87	$656.72	$14.00	$1,039.60
138	$371.54	$661.43	$14.00	$1,046.97
139	$374.20	$666.13	$14.00	$1,054.33
140	$376.87	$670.84	$14.00	$1,061.70
141	$379.52	$675.54	$14.00	$1,069.06
142	$382.19	$680.25	$14.00	$1,076.44
143	$384.85	$684.95	$14.00	$1,083.80
144	$387.51	$689.66	$14.00	$1,091.17
145	$390.17	$694.36	$14.00	$1,098.53
146	$392.84	$699.06	$14.00	$1,105.90
147	$395.49	$703.77	$14.00	$1,113.26
148	$398.16	$708.47	$14.00	$1,120.63
149	$400.82	$713.18	$14.00	$1,127.99
150	$403.48	$717.88	$14.00	$1,135.37
151	$406.14	$722.59	$14.00	$1,142.73
152	$408.81	$727.29	$14.00	$1,150.10
153	$411.46	$732.00	$14.00	$1,157.46
154	$414.13	$736.70	$14.00	$1,164.83
155	$416.79	$741.41	$14.00	$1,172.19
156	$419.45	$746.11	$14.00	$1,179.57
157	$422.11	$750.82	$14.00	$1,186.93
158	$424.78	$755.52	$14.00	$1,194.30
159	$427.43	$760.22	$14.00	$1,201.66
160	$430.10	$764.93	$14.00	$1,209.03
161	$432.76	$769.63	$14.00	$1,216.39
162	$435.43	$774.34	$14.00	$1,223.76
163	$438.08	$779.04	$14.00	$1,231.13
164	$440.75	$783.75	$14.00	$1,238.50
165	$443.41	$788.45	$14.00	$1,245.86
166	$446.07	$793.16	$14.00	$1,253.23
167	$448.73	$797.86	$14.00	$1,260.59
168	$451.40	$802.57	$14.00	$1,267.96
169	$454.05	$807.27	$14.00	$1,275.32
170	$456.72	$811.98	$14.00	$1,282.70
171	$459.38	$816.68	$14.00	$1,290.06
172	$462.04	$821.39	$14.00	$1,297.43
173	$464.70	$826.09	$14.00	$1,304.79
174	$467.37	$830.79	$14.00	$1,312.16
175	$470.02	$835.50	$14.00	$1,319.52
176	$472.69	$840.20	$14.00	$1,326.89
177	$475.35	$844.91	$14.00	$1,334.26
178	$478.01	$849.61	$14.00	$1,341.63
179	$480.67	$854.32	$14.00	$1,348.99
180	$483.34	$859.02	$14.00	$1,356.36
181	$485.99	$863.73	$14.00	$1,363.72
182	$488.65	$868.43	$14.00	$1,371.08

183	$491.32	$873.14	$14.00	$1,378.45
184	$493.99	$877.84	$14.00	$1,385.83
185	$496.64	$882.55	$14.00	$1,393.19
186	$499.31	$887.25	$14.00	$1,400.56
187	$501.97	$891.95	$14.00	$1,407.92
188	$504.63	$896.66	$14.00	$1,415.29
189	$507.29	$901.36	$14.00	$1,422.65
190	$509.96	$906.07	$14.00	$1,430.03
191	$512.61	$910.77	$14.00	$1,437.39
192	$515.28	$915.48	$14.00	$1,444.76
193	$517.94	$920.18	$14.00	$1,452.12
194	$520.60	$924.89	$14.00	$1,459.49
195	$523.26	$929.59	$14.00	$1,466.85
196	$525.93	$934.30	$14.00	$1,474.22
197	$528.58	$939.00	$14.00	$1,481.58
198	$531.25	$943.71	$14.00	$1,488.96
199	$533.91	$948.41	$14.00	$1,496.32
200	$536.58	$953.11	$14.00	$1,503.69

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
0	$23.64	$1.65	$25.29	$11.83	$14.00	$51.12
1	$23.64	$1.65	$25.29	$16.40	$14.00	$55.69
2	$23.64	$1.65	$25.29	$20.97	$14.00	$60.26
3	$23.64	$1.65	$25.29	$25.54	$14.00	$64.83
4	$26.29	$1.84	$28.13	$30.10	$14.00	$72.24
5	$28.96	$2.03	$30.99	$34.67	$14.00	$79.66
6	$31.62	$2.21	$33.83	$39.24	$14.00	$87.07
7	$34.28	$2.40	$36.68	$43.81	$14.00	$94.49
8	$36.94	$2.59	$39.52	$48.38	$14.00	$101.90
9	$39.61	$2.77	$42.38	$52.94	$14.00	$109.32
10	$42.26	$2.96	$45.22	$57.51	$14.00	$116.73
11	$44.93	$3.15	$48.08	$62.08	$14.00	$124.15
12	$47.59	$3.33	$50.92	$66.65	$14.00	$131.56
13	$50.25	$3.52	$53.77	$71.21	$14.00	$138.98
14	$52.91	$3.70	$56.61	$75.78	$14.00	$146.39
15	$55.58	$3.89	$59.47	$80.35	$14.00	$153.82
16	$58.23	$4.08	$62.31	$84.92	$14.00	$161.23
17	$60.90	$4.26	$65.16	$89.48	$14.00	$168.65
18	$63.56	$4.45	$68.01	$94.05	$14.00	$176.06
19	$66.22	$4.64	$70.86	$98.62	$14.00	$183.48
20	$68.88	$4.82	$73.70	$103.19	$14.00	$190.89
21	$71.55	$5.01	$76.56	$107.75	$14.00	$198.31
22	$74.20	$5.19	$79.40	$112.32	$14.00	$205.72
23	$76.87	$5.38	$82.25	$116.89	$14.00	$213.14
24	$79.53	$5.57	$85.10	$121.46	$14.00	$220.55
25	$82.20	$5.75	$87.95	$126.02	$14.00	$227.97
26	$84.85	$5.94	$90.79	$130.59	$14.00	$235.38
27	$87.52	$6.13	$93.65	$135.16	$14.00	$242.81
28	$90.18	$6.31	$96.49	$139.73	$14.00	$250.22
29	$92.84	$6.50	$99.34	$144.29	$14.00	$257.64
30	$95.50	$6.68	$102.18	$148.86	$14.00	$265.05
31	$98.17	$6.87	$105.04	$153.43	$14.00	$272.47
32	$100.82	$7.06	$107.88	$158.00	$14.00	$279.88
33	$103.49	$7.24	$110.73	$162.56	$14.00	$287.30
34	$106.15	$7.43	$113.58	$167.13	$14.00	$294.71
35	$108.81	$7.62	$116.43	$171.70	$14.00	$302.13
36	$111.47	$7.80	$119.27	$176.27	$14.00	$309.54
37	$114.14	$7.99	$122.13	$180.84	$14.00	$316.96
38	$116.79	$8.18	$124.97	$185.40	$14.00	$324.37
39	$119.46	$8.36	$127.82	$189.97	$14.00	$331.79
40	$122.12	$8.55	$130.67	$194.54	$14.00	$339.20
41	$124.79	$8.73	$133.52	$199.11	$14.00	$346.63
42	$127.44	$8.92	$136.36	$203.67	$14.00	$354.04
43	$130.11	$9.11	$139.22	$208.24	$14.00	$361.46
44	$132.77	$9.29	$142.06	$212.81	$14.00	$368.87
45	$135.43	$9.48	$144.91	$217.38	$14.00	$376.29
46	$138.09	$9.67	$147.75	$221.94	$14.00	$383.70
47	$140.76	$9.85	$150.61	$226.51	$14.00	$391.12
48	$143.41	$10.04	$153.45	$231.08	$14.00	$398.53

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
49	$146.08	$10.23	$156.31	$235.65	$14.00	$405.95
50	$148.74	$10.41	$159.15	$240.21	$14.00	$413.36
51	$151.40	$10.60	$162.00	$244.78	$14.00	$420.78
52	$154.06	$10.78	$164.84	$249.35	$14.00	$428.19
53	$156.73	$10.97	$167.70	$253.92	$14.00	$435.61
54	$159.38	$11.16	$170.54	$258.48	$14.00	$443.02
55	$162.05	$11.34	$173.39	$263.05	$14.00	$450.45
56	$164.71	$11.53	$176.24	$267.62	$14.00	$457.86
57	$167.37	$11.72	$179.09	$272.19	$14.00	$465.28
58	$170.03	$11.90	$181.93	$276.75	$14.00	$472.69
59	$172.70	$12.09	$184.79	$281.32	$14.00	$480.11
60	$175.35	$12.27	$187.63	$285.89	$14.00	$487.52
61	$178.02	$12.46	$190.48	$290.46	$14.00	$494.94
62	$180.68	$12.65	$193.33	$295.03	$14.00	$502.35
63	$183.35	$12.83	$196.18	$299.59	$14.00	$509.77
64	$186.00	$13.02	$199.02	$304.16	$14.00	$517.18
65	$188.67	$13.21	$201.88	$308.73	$14.00	$524.60
66	$191.33	$13.39	$204.72	$313.30	$14.00	$532.01
67	$193.99	$13.58	$207.57	$317.86	$14.00	$539.44
68	$196.65	$13.77	$210.41	$322.43	$14.00	$546.85
69	$199.32	$13.95	$213.27	$327.00	$14.00	$554.27
70	$201.97	$14.14	$216.11	$331.57	$14.00	$561.68
71	$204.64	$14.32	$218.96	$336.13	$14.00	$569.10
72	$207.30	$14.51	$221.81	$340.70	$14.00	$576.51
73	$209.96	$14.70	$224.66	$345.27	$14.00	$583.93
74	$212.62	$14.88	$227.50	$349.84	$14.00	$591.34
75	$215.29	$15.07	$230.36	$354.40	$14.00	$598.76
76	$217.94	$15.26	$233.20	$358.97	$14.00	$606.17
77	$220.61	$15.44	$236.05	$363.54	$14.00	$613.59
78	$223.27	$15.63	$238.90	$368.11	$14.00	$621.00
79	$225.93	$15.82	$241.75	$372.67	$14.00	$628.42
80	$228.59	$16.00	$244.59	$377.24	$14.00	$635.83
81	$231.26	$16.19	$247.45	$381.81	$14.00	$643.26
82	$233.91	$16.37	$250.29	$386.38	$14.00	$650.67
83	$236.58	$16.56	$253.14	$390.94	$14.00	$658.09
84	$239.24	$16.75	$255.98	$395.51	$14.00	$665.50
85	$241.91	$16.93	$258.84	$400.08	$14.00	$672.92
86	$244.56	$17.12	$261.68	$404.65	$14.00	$680.33
87	$247.23	$17.31	$264.54	$409.22	$14.00	$687.75
88	$249.89	$17.49	$267.38	$413.78	$14.00	$695.16
89	$252.55	$17.68	$270.23	$418.35	$14.00	$702.58
90	$255.21	$17.86	$273.07	$422.92	$14.00	$709.99
91	$257.88	$18.05	$275.93	$427.49	$14.00	$717.41
92	$260.53	$18.24	$278.77	$432.05	$14.00	$724.82
93	$263.20	$18.42	$281.62	$436.62	$14.00	$732.25
94	$265.86	$18.61	$284.47	$441.19	$14.00	$739.65
95	$268.52	$18.80	$287.32	$445.76	$14.00	$747.08

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
96	$271.18	$18.98	$290.16	$450.32	$14.00	$754.49
97	$273.85	$19.17	$293.02	$454.89	$14.00	$761.91
98	$276.50	$19.36	$295.86	$459.46	$14.00	$769.32
99	$279.17	$19.54	$298.71	$464.03	$14.00	$776.74
100	$281.83	$19.73	$301.56	$468.59	$14.00	$784.15
101	$284.49	$19.91	$304.41	$473.16	$14.00	$791.57
102	$287.15	$20.10	$307.25	$477.73	$14.00	$798.98
103	$289.82	$20.29	$310.11	$482.30	$14.00	$806.40
104	$292.47	$20.47	$312.95	$486.86	$14.00	$813.81
105	$295.14	$20.66	$315.80	$491.43	$14.00	$821.23
106	$297.80	$20.85	$318.64	$496.00	$14.00	$828.64
107	$300.47	$21.03	$321.50	$500.57	$14.00	$836.07
108	$303.12	$21.22	$324.34	$505.13	$14.00	$843.48
109	$305.79	$21.41	$327.19	$509.70	$14.00	$850.90
110	$308.45	$21.59	$330.04	$514.27	$14.00	$858.31
111	$311.11	$21.78	$332.89	$518.84	$14.00	$865.73
112	$313.77	$21.96	$335.73	$523.41	$14.00	$873.14
113	$316.44	$22.15	$338.59	$527.97	$14.00	$880.56
114	$319.09	$22.34	$341.43	$532.54	$14.00	$887.97
115	$321.76	$22.52	$344.28	$537.11	$14.00	$895.39
116	$324.42	$22.71	$347.13	$541.68	$14.00	$902.80
117	$327.08	$22.90	$349.98	$546.24	$14.00	$910.22
118	$329.74	$23.08	$352.82	$550.81	$14.00	$917.63
119	$332.41	$23.27	$355.68	$555.38	$14.00	$925.05
120	$335.06	$23.45	$358.52	$559.95	$14.00	$932.46
121	$337.73	$23.64	$361.37	$564.51	$14.00	$939.89
122	$340.39	$23.83	$364.21	$569.08	$14.00	$947.30
123	$343.06	$24.01	$367.07	$573.65	$14.00	$954.72
124	$345.71	$24.20	$369.91	$578.22	$14.00	$962.13
125	$348.38	$24.39	$372.77	$582.78	$14.00	$969.55
126	$351.03	$24.57	$375.61	$587.35	$14.00	$976.96
127	$353.70	$24.76	$378.46	$591.92	$14.00	$984.38
128	$356.36	$24.95	$381.30	$596.49	$14.00	$991.79
129	$359.03	$25.13	$384.16	$601.05	$14.00	$999.21
130	$361.68	$25.32	$387.00	$605.62	$14.00	$1,006.62
131	$364.35	$25.50	$389.85	$610.19	$14.00	$1,014.04
132	$367.01	$25.69	$392.70	$614.76	$14.00	$1,021.45
133	$369.67	$25.88	$395.55	$619.32	$14.00	$1,028.88
134	$372.33	$26.06	$398.39	$623.89	$14.00	$1,036.29
135	$375.00	$26.25	$401.25	$628.46	$14.00	$1,043.71
136	$377.65	$26.44	$404.09	$633.03	$14.00	$1,051.12
137	$380.32	$26.62	$406.94	$637.60	$14.00	$1,058.54
138	$382.98	$26.81	$409.79	$642.16	$14.00	$1,065.95
139	$385.64	$27.00	$412.64	$646.73	$14.00	$1,073.37
140	$388.30	$27.18	$415.48	$651.30	$14.00	$1,080.78
141	$390.97	$27.37	$418.34	$655.87	$14.00	$1,088.20
142	$393.62	$27.55	$421.18	$660.43	$14.00	$1,095.61

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
143	$396.29	$27.74	$424.03	$665.00	$14.00	$1,103.03
144	$398.95	$27.93	$426.87	$669.57	$14.00	$1,110.44
145	$401.62	$28.11	$429.73	$674.14	$14.00	$1,117.86
146	$404.27	$28.30	$432.57	$678.70	$14.00	$1,125.27
147	$406.94	$28.49	$435.42	$683.27	$14.00	$1,132.70
148	$409.60	$28.67	$438.27	$687.84	$14.00	$1,140.11
149	$412.26	$28.86	$441.12	$692.41	$14.00	$1,147.53
150	$414.92	$29.04	$443.96	$696.97	$14.00	$1,154.94
151	$417.59	$29.23	$446.82	$701.54	$14.00	$1,162.36
152	$420.24	$29.42	$449.66	$706.11	$14.00	$1,169.77
153	$422.91	$29.60	$452.51	$710.68	$14.00	$1,177.19
154	$425.57	$29.79	$455.36	$715.24	$14.00	$1,184.60
155	$428.23	$29.98	$458.21	$719.81	$14.00	$1,192.02
156	$430.89	$30.16	$461.05	$724.38	$14.00	$1,199.43
157	$433.56	$30.35	$463.91	$728.95	$14.00	$1,206.85
158	$436.21	$30.53	$466.75	$733.51	$14.00	$1,214.26
159	$438.88	$30.72	$469.60	$738.08	$14.00	$1,221.69
160	$441.54	$30.91	$472.44	$742.65	$14.00	$1,229.09
161	$444.20	$31.09	$475.30	$747.22	$14.00	$1,236.52
162	$446.86	$31.28	$478.14	$751.79	$14.00	$1,243.93
163	$449.53	$31.47	$481.00	$756.35	$14.00	$1,251.35
164	$452.18	$31.65	$483.84	$760.92	$14.00	$1,258.76
165	$454.85	$31.84	$486.69	$765.49	$14.00	$1,266.18
166	$457.51	$32.03	$489.53	$770.06	$14.00	$1,273.59
167	$460.18	$32.21	$492.39	$774.62	$14.00	$1,281.01
168	$462.83	$32.40	$495.23	$779.19	$14.00	$1,288.42
169	$465.50	$32.58	$498.08	$783.76	$14.00	$1,295.84
170	$468.16	$32.77	$500.93	$788.33	$14.00	$1,303.25
171	$470.82	$32.96	$503.78	$792.89	$14.00	$1,310.67
172	$473.48	$33.14	$506.62	$797.46	$14.00	$1,318.08
173	$476.15	$33.33	$509.48	$802.03	$14.00	$1,325.51
174	$478.80	$33.52	$512.32	$806.60	$14.00	$1,332.92
175	$481.47	$33.70	$515.17	$811.16	$14.00	$1,340.34
176	$484.13	$33.89	$518.02	$815.73	$14.00	$1,347.75
177	$486.79	$34.08	$520.87	$820.30	$14.00	$1,355.17
178	$489.45	$34.26	$523.71	$824.87	$14.00	$1,362.58
179	$492.12	$34.45	$526.57	$829.43	$14.00	$1,370.00
180	$494.77	$34.63	$529.41	$834.00	$14.00	$1,377.41
181	$497.44	$34.82	$532.26	$838.57	$14.00	$1,384.83
182	$500.10	$35.01	$535.10	$843.14	$14.00	$1,392.24
183	$502.76	$35.19	$537.96	$847.70	$14.00	$1,399.66
184	$505.42	$35.38	$540.80	$852.27	$14.00	$1,407.07
185	$508.09	$35.57	$543.65	$856.84	$14.00	$1,414.49
186	$510.74	$35.75	$546.50	$861.41	$14.00	$1,421.90
187	$513.41	$35.94	$549.35	$865.98	$14.00	$1,429.33
188	$516.07	$36.12	$552.19	$870.54	$14.00	$1,436.74
189	$518.74	$36.31	$555.05	$875.11	$14.00	$1,444.16

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
190	$521.39	$36.50	$557.89	$879.68	$14.00	$1,451.57
191	$524.06	$36.68	$560.74	$884.25	$14.00	$1,458.99
192	$526.72	$36.87	$563.59	$888.81	$14.00	$1,466.40
193	$529.38	$37.06	$566.44	$893.38	$14.00	$1,473.82
194	$532.04	$37.24	$569.28	$897.95	$14.00	$1,481.23
195	$534.71	$37.43	$572.14	$902.52	$14.00	$1,488.65
196	$537.36	$37.62	$574.98	$907.08	$14.00	$1,496.06
197	$540.03	$37.80	$577.83	$911.65	$14.00	$1,503.48
198	$542.69	$37.99	$580.67	$916.22	$14.00	$1,510.89
199	$545.35	$38.17	$583.53	$920.79	$14.00	$1,518.32
200	$548.01	$38.36	$586.37	$925.35	$14.00	$1,525.72
201	$550.68	$38.55	$589.23	$929.92	$14.00	$1,533.15
202	$553.33	$38.73	$592.07	$934.49	$14.00	$1,540.56
203	$556.00	$38.92	$594.92	$939.06	$14.00	$1,547.98
204	$558.66	$39.11	$597.76	$943.62	$14.00	$1,555.39
205	$561.31	$39.29	$600.61	$948.19	$14.00	$1,562.80
206	$563.98	$39.48	$603.46	$952.76	$14.00	$1,570.22
207	$566.65	$39.67	$606.31	$957.33	$14.00	$1,577.64
208	$569.30	$39.85	$609.16	$961.89	$14.00	$1,585.05
209	$571.97	$40.04	$612.01	$966.46	$14.00	$1,592.47
210	$574.63	$40.22	$614.85	$971.03	$14.00	$1,599.88
211	$577.30	$40.41	$617.71	$975.60	$14.00	$1,607.30
212	$579.95	$40.60	$620.55	$980.17	$14.00	$1,614.71
213	$582.62	$40.78	$623.40	$984.73	$14.00	$1,622.14
214	$585.28	$40.97	$626.25	$989.30	$14.00	$1,629.55
215	$587.94	$41.16	$629.10	$993.87	$14.00	$1,636.97
216	$590.60	$41.34	$631.94	$998.44	$14.00	$1,644.38
217	$593.27	$41.53	$634.80	$1,003.00	$14.00	$1,651.80
218	$595.92	$41.71	$637.64	$1,007.57	$14.00	$1,659.21
219	$598.59	$41.90	$640.49	$1,012.14	$14.00	$1,666.63
220	$601.25	$42.09	$643.33	$1,016.71	$14.00	$1,674.04
221	$603.91	$42.27	$646.19	$1,021.27	$14.00	$1,681.46
222	$606.57	$42.46	$649.03	$1,025.84	$14.00	$1,688.87
223	$609.24	$42.65	$651.88	$1,030.41	$14.00	$1,696.29
224	$611.89	$42.83	$654.73	$1,034.98	$14.00	$1,703.70
225	$614.56	$43.02	$657.58	$1,039.54	$14.00	$1,711.12
226	$617.22	$43.21	$660.42	$1,044.11	$14.00	$1,718.53
227	$619.89	$43.39	$663.28	$1,048.68	$14.00	$1,725.96
228	$622.54	$43.58	$666.12	$1,053.25	$14.00	$1,733.37
229	$625.21	$43.76	$668.97	$1,057.81	$14.00	$1,740.79
230	$627.87	$43.95	$671.82	$1,062.38	$14.00	$1,748.20
231	$630.53	$44.14	$674.67	$1,066.95	$14.00	$1,755.62
232	$633.19	$44.32	$677.51	$1,071.52	$14.00	$1,763.03
233	$635.86	$44.51	$680.37	$1,076.08	$14.00	$1,770.45
234	$638.51	$44.70	$683.21	$1,080.65	$14.00	$1,777.86
235	$641.18	$44.88	$686.06	$1,085.22	$14.00	$1,785.28
236	$643.84	$45.07	$688.90	$1,089.79	$14.00	$1,792.69

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
237	$646.50	$45.26	$691.76	$1,094.36	$14.00	$1,800.11
238	$649.16	$45.44	$694.60	$1,098.92	$14.00	$1,807.52
239	$651.83	$45.63	$697.46	$1,103.49	$14.00	$1,814.95
240	$654.48	$45.81	$700.30	$1,108.06	$14.00	$1,822.36
241	$656.81	$45.98	$702.79	$1,112.63	$14.00	$1,829.42
242	$659.81	$46.19	$705.99	$1,117.19	$14.00	$1,837.19
243	$662.47	$46.37	$708.85	$1,121.76	$14.00	$1,844.61
244	$665.13	$46.56	$711.69	$1,126.33	$14.00	$1,852.02
245	$667.80	$46.75	$714.54	$1,130.90	$14.00	$1,859.44
246	$670.45	$46.93	$717.39	$1,135.46	$14.00	$1,866.85
247	$673.12	$47.12	$720.24	$1,140.03	$14.00	$1,874.27
248	$675.78	$47.30	$723.08	$1,144.60	$14.00	$1,881.68
249	$678.45	$47.49	$725.94	$1,149.17	$14.00	$1,889.10
250	$681.10	$47.68	$728.78	$1,153.73	$14.00	$1,896.51
251	$683.77	$47.86	$731.63	$1,158.30	$14.00	$1,903.93
252	$686.43	$48.05	$734.48	$1,162.87	$14.00	$1,911.34
253	$689.09	$48.24	$737.33	$1,167.44	$14.00	$1,918.77
254	$691.75	$48.42	$740.17	$1,172.00	$14.00	$1,926.18
255	$694.42	$48.61	$743.03	$1,176.57	$14.00	$1,933.60
256	$697.07	$48.80	$745.87	$1,181.14	$14.00	$1,941.01
257	$699.74	$48.98	$748.72	$1,185.71	$14.00	$1,948.43
258	$702.40	$49.17	$751.56	$1,190.27	$14.00	$1,955.84
259	$705.06	$49.35	$754.42	$1,194.84	$14.00	$1,963.26
260	$707.72	$49.54	$757.26	$1,199.41	$14.00	$1,970.67
261	$710.39	$49.73	$760.11	$1,203.98	$14.00	$1,978.09
262	$713.04	$49.91	$762.96	$1,208.55	$14.00	$1,985.50
263	$715.71	$50.10	$765.81	$1,213.11	$14.00	$1,992.92
264	$718.37	$50.29	$768.65	$1,217.68	$14.00	$2,000.33
265	$721.03	$50.47	$771.51	$1,222.25	$14.00	$2,007.76
266	$723.69	$50.66	$774.35	$1,226.82	$14.00	$2,015.16
267	$726.36	$50.85	$777.20	$1,231.38	$14.00	$2,022.59
268	$729.01	$51.03	$780.05	$1,235.95	$14.00	$2,030.00
269	$731.68	$51.22	$782.90	$1,240.52	$14.00	$2,037.42
270	$734.34	$51.40	$785.74	$1,245.09	$14.00	$2,044.83
271	$737.01	$51.59	$788.60	$1,249.65	$14.00	$2,052.25
272	$739.66	$51.78	$791.44	$1,254.22	$14.00	$2,059.66
273	$742.33	$51.96	$794.29	$1,258.79	$14.00	$2,067.08
274	$744.99	$52.15	$797.13	$1,263.36	$14.00	$2,074.49
275	$747.65	$52.34	$799.99	$1,267.92	$14.00	$2,081.91
276	$750.31	$52.52	$802.83	$1,272.49	$14.00	$2,089.32
277	$752.98	$52.71	$805.69	$1,277.06	$14.00	$2,096.74
278	$755.63	$52.89	$808.53	$1,281.63	$14.00	$2,104.15
279	$758.30	$53.08	$811.38	$1,286.19	$14.00	$2,111.58
280	$760.96	$53.27	$814.22	$1,290.76	$14.00	$2,118.99
281	$763.62	$53.45	$817.08	$1,295.33	$14.00	$2,126.41
282	$766.28	$53.64	$819.92	$1,299.90	$14.00	$2,133.82
283	$768.95	$53.83	$822.77	$1,304.46	$14.00	$2,141.24

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
284	$771.60	$54.01	$825.62	$1,309.03	$14.00	$2,148.65
285	$774.27	$54.20	$828.47	$1,313.60	$14.00	$2,156.07
286	$776.93	$54.38	$831.31	$1,318.17	$14.00	$2,163.48
287	$779.62	$54.57	$834.19	$1,322.74	$14.00	$2,170.93
288	$782.25	$54.76	$837.01	$1,327.30	$14.00	$2,178.31
289	$784.92	$54.94	$839.86	$1,331.87	$14.00	$2,185.73
290	$787.57	$55.13	$842.71	$1,336.44	$14.00	$2,193.14
291	$790.24	$55.32	$845.56	$1,341.01	$14.00	$2,200.56
292	$792.90	$55.50	$848.40	$1,345.57	$14.00	$2,207.97
293	$795.57	$55.69	$851.26	$1,350.14	$14.00	$2,215.40
294	$798.22	$55.88	$854.10	$1,354.71	$14.00	$2,222.81
295	$800.89	$56.06	$856.95	$1,359.28	$14.00	$2,230.23
296	$803.55	$56.25	$859.79	$1,363.84	$14.00	$2,237.64
297	$806.21	$56.43	$862.65	$1,368.41	$14.00	$2,245.06
298	$808.87	$56.62	$865.49	$1,372.98	$14.00	$2,252.47
299	$811.54	$56.81	$868.34	$1,377.55	$14.00	$2,259.89
300	$814.19	$56.99	$871.19	$1,382.11	$14.00	$2,267.30
301	$816.86	$57.18	$874.04	$1,386.68	$14.00	$2,274.72
302	$819.52	$57.37	$876.88	$1,391.25	$14.00	$2,282.13
303	$822.18	$57.55	$879.74	$1,395.82	$14.00	$2,289.55
304	$824.84	$57.74	$882.58	$1,400.38	$14.00	$2,296.96
305	$827.51	$57.93	$885.43	$1,404.95	$14.00	$2,304.39
306	$830.16	$58.11	$888.28	$1,409.52	$14.00	$2,311.80
307	$832.83	$58.30	$891.13	$1,414.09	$14.00	$2,319.22
308	$835.49	$58.48	$893.97	$1,418.65	$14.00	$2,326.63
309	$838.16	$58.67	$896.83	$1,423.22	$14.00	$2,334.05
310	$840.81	$58.86	$899.67	$1,427.79	$14.00	$2,341.46
311	$843.48	$59.04	$902.52	$1,432.36	$14.00	$2,348.88
312	$845.91	$59.21	$905.12	$1,436.93	$14.00	$2,356.05
313	$848.80	$59.42	$908.22	$1,441.49	$14.00	$2,363.71
314	$851.46	$59.60	$911.06	$1,446.06	$14.00	$2,371.12
315	$854.13	$59.79	$913.91	$1,450.63	$14.00	$2,378.54
316	$856.78	$59.97	$916.76	$1,455.20	$14.00	$2,385.95
317	$859.45	$60.16	$919.61	$1,459.76	$14.00	$2,393.37
318	$862.11	$60.35	$922.45	$1,464.33	$14.00	$2,400.78
319	$864.77	$60.53	$925.31	$1,468.90	$14.00	$2,408.21
320	$867.43	$60.72	$928.15	$1,473.47	$14.00	$2,415.62
321	$870.10	$60.91	$931.00	$1,478.03	$14.00	$2,423.04
322	$872.75	$61.09	$933.85	$1,482.60	$14.00	$2,430.45
323	$875.42	$61.28	$936.70	$1,487.17	$14.00	$2,437.87
324	$878.08	$61.47	$939.54	$1,491.74	$14.00	$2,445.28
325	$880.74	$61.65	$942.40	$1,496.30	$14.00	$2,452.70
326	$883.40	$61.84	$945.24	$1,500.87	$14.00	$2,460.11
327	$886.07	$62.02	$948.09	$1,505.44	$14.00	$2,467.53
328	$888.72	$62.21	$950.93	$1,510.01	$14.00	$2,474.94
329	$891.39	$62.40	$953.79	$1,514.57	$14.00	$2,482.36
330	$894.05	$62.58	$956.63	$1,519.14	$14.00	$2,489.77

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
331	$896.72	$62.77	$959.49	$1,523.71	$14.00	$2,497.19
332	$899.37	$62.96	$962.33	$1,528.28	$14.00	$2,504.60
333	$902.04	$63.14	$965.18	$1,532.84	$14.00	$2,512.03
334	$904.70	$63.33	$968.02	$1,537.41	$14.00	$2,519.44
335	$907.36	$63.52	$970.88	$1,541.98	$14.00	$2,526.86
336	$910.02	$63.70	$973.72	$1,546.55	$14.00	$2,534.27
337	$912.69	$63.89	$976.57	$1,551.12	$14.00	$2,541.69
338	$915.34	$64.07	$979.42	$1,555.68	$14.00	$2,549.10
339	$918.01	$64.26	$982.27	$1,560.25	$14.00	$2,556.52
340	$920.67	$64.45	$985.11	$1,564.82	$14.00	$2,563.93
341	$923.33	$64.63	$987.97	$1,569.39	$14.00	$2,571.35
342	$925.99	$64.82	$990.81	$1,573.95	$14.00	$2,578.76
343	$928.66	$65.01	$993.66	$1,578.52	$14.00	$2,586.18
344	$931.31	$65.19	$996.51	$1,583.09	$14.00	$2,593.59
345	$933.98	$65.38	$999.36	$1,587.66	$14.00	$2,601.02
346	$936.64	$65.56	$1,002.20	$1,592.22	$14.00	$2,608.43
347	$939.30	$65.75	$1,005.06	$1,596.79	$14.00	$2,615.85
348	$941.96	$65.94	$1,007.90	$1,601.36	$14.00	$2,623.26
349	$944.63	$66.12	$1,010.75	$1,605.93	$14.00	$2,630.68
350	$947.28	$66.31	$1,013.59	$1,610.49	$14.00	$2,638.09
351	$949.95	$66.50	$1,016.45	$1,615.06	$14.00	$2,645.51
352	$952.61	$66.68	$1,019.29	$1,619.63	$14.00	$2,652.92
353	$955.28	$66.87	$1,022.14	$1,624.20	$14.00	$2,660.34
354	$957.93	$67.06	$1,024.99	$1,628.76	$14.00	$2,667.75
355	$960.60	$67.24	$1,027.84	$1,633.33	$14.00	$2,675.17
356	$963.26	$67.43	$1,030.68	$1,637.90	$14.00	$2,682.58
357	$965.92	$67.61	$1,033.54	$1,642.47	$14.00	$2,690.00
358	$968.58	$67.80	$1,036.38	$1,647.03	$14.00	$2,697.41
359	$971.25	$67.99	$1,039.23	$1,651.60	$14.00	$2,704.84
360	$973.90	$68.17	$1,042.08	$1,656.17	$14.00	$2,712.25
361	$976.57	$68.36	$1,044.93	$1,660.74	$14.00	$2,719.67
362	$979.23	$68.55	$1,047.77	$1,665.31	$14.00	$2,727.08
363	$981.89	$68.73	$1,050.63	$1,669.87	$14.00	$2,734.50
364	$984.55	$68.92	$1,053.47	$1,674.44	$14.00	$2,741.91
365	$987.22	$69.11	$1,056.32	$1,679.01	$14.00	$2,749.33
366	$989.87	$69.29	$1,059.16	$1,683.58	$14.00	$2,756.74
367	$992.54	$69.48	$1,062.02	$1,688.14	$14.00	$2,764.16
368	$995.20	$69.66	$1,064.86	$1,692.71	$14.00	$2,771.57
369	$997.86	$69.85	$1,067.72	$1,697.28	$14.00	$2,778.99
370	$1,000.52	$70.04	$1,070.56	$1,701.85	$14.00	$2,786.40
371	$1,003.19	$70.22	$1,073.41	$1,706.41	$14.00	$2,793.83
372	$1,005.84	$70.41	$1,076.25	$1,710.98	$14.00	$2,801.23
373	$1,008.50	$70.60	$1,079.10	$1,715.55	$14.00	$2,808.64
374	$1,011.17	$70.78	$1,081.95	$1,720.12	$14.00	$2,816.07
375	$1,013.84	$70.97	$1,084.80	$1,724.68	$14.00	$2,823.49
376	$1,016.49	$71.15	$1,087.65	$1,729.25	$14.00	$2,830.90
377	$1,019.16	$71.34	$1,090.50	$1,733.82	$14.00	$2,838.32

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
378	$1,021.82	$71.53	$1,093.34	$1,738.39	$14.00	$2,845.73
379	$1,024.48	$71.71	$1,096.20	$1,742.95	$14.00	$2,853.15
380	$1,027.14	$71.90	$1,099.04	$1,747.52	$14.00	$2,860.56
381	$1,029.81	$72.09	$1,101.89	$1,752.09	$14.00	$2,867.98
382	$1,032.46	$72.27	$1,104.74	$1,756.66	$14.00	$2,875.39
383	$1,035.13	$72.46	$1,107.59	$1,761.22	$14.00	$2,882.81
384	$1,037.79	$72.65	$1,110.43	$1,765.79	$14.00	$2,890.22
385	$1,040.45	$72.83	$1,113.29	$1,770.36	$14.00	$2,897.65
386	$1,043.11	$73.02	$1,116.13	$1,774.93	$14.00	$2,905.06
387	$1,045.78	$73.20	$1,118.98	$1,779.49	$14.00	$2,912.48
388	$1,048.43	$73.39	$1,121.82	$1,784.06	$14.00	$2,919.89
389	$1,051.09	$73.58	$1,124.67	$1,788.63	$14.00	$2,927.30
390	$1,053.76	$73.76	$1,127.52	$1,793.20	$14.00	$2,934.72
391	$1,056.43	$73.95	$1,130.37	$1,797.77	$14.00	$2,942.14
392	$1,059.08	$74.14	$1,133.22	$1,802.33	$14.00	$2,949.55
393	$1,061.75	$74.32	$1,136.07	$1,806.90	$14.00	$2,956.97
394	$1,064.40	$74.51	$1,138.91	$1,811.47	$14.00	$2,964.38
395	$1,067.07	$74.70	$1,141.77	$1,816.04	$14.00	$2,971.80
396	$1,069.73	$74.88	$1,144.61	$1,820.60	$14.00	$2,979.21
397	$1,072.40	$75.07	$1,147.46	$1,825.17	$14.00	$2,986.63
398	$1,075.05	$75.25	$1,150.31	$1,829.74	$14.00	$2,994.04
399	$1,077.76	$75.44	$1,153.21	$1,834.31	$14.00	$3,001.51
400	$1,080.38	$75.63	$1,156.00	$1,838.87	$14.00	$3,008.88
401	$1,083.05	$75.81	$1,158.87	$1,843.44	$14.00	$3,016.31
402	$1,054.08	$73.79	$1,127.87	$1,848.01	$14.00	$2,989.88
403	$1,056.67	$73.97	$1,130.63	$1,852.58	$14.00	$2,997.21
404	$1,059.25	$74.15	$1,133.40	$1,857.14	$14.00	$3,004.54
405	$1,061.83	$74.33	$1,136.16	$1,861.71	$14.00	$3,011.87
406	$1,064.42	$74.51	$1,138.93	$1,866.28	$14.00	$3,019.21
407	$1,067.00	$74.69	$1,141.69	$1,870.85	$14.00	$3,026.54
408	$1,069.59	$74.87	$1,144.46	$1,875.41	$14.00	$3,033.87
409	$1,072.17	$75.05	$1,147.22	$1,879.98	$14.00	$3,041.21
410	$1,074.76	$75.23	$1,149.99	$1,884.55	$14.00	$3,048.54
411	$1,077.34	$75.41	$1,152.75	$1,889.12	$14.00	$3,055.87
412	$1,079.92	$75.59	$1,155.52	$1,893.68	$14.00	$3,063.20
413	$1,082.51	$75.78	$1,158.28	$1,898.25	$14.00	$3,070.54
414	$1,085.09	$75.96	$1,161.05	$1,902.82	$14.00	$3,077.87
415	$1,087.68	$76.14	$1,163.81	$1,907.39	$14.00	$3,085.20
416	$1,090.26	$76.32	$1,166.58	$1,911.96	$14.00	$3,092.53
417	$1,092.85	$76.50	$1,169.34	$1,916.52	$14.00	$3,099.87
418	$1,095.43	$76.68	$1,172.11	$1,921.09	$14.00	$3,107.20
419	$1,098.01	$76.86	$1,174.87	$1,925.66	$14.00	$3,114.53
420	$1,100.60	$77.04	$1,177.64	$1,930.23	$14.00	$3,121.87
421	$1,103.18	$77.22	$1,180.41	$1,934.79	$14.00	$3,129.20
422	$1,105.77	$77.40	$1,183.17	$1,939.36	$14.00	$3,136.53
423	$1,108.35	$77.58	$1,185.94	$1,943.93	$14.00	$3,143.86
424	$1,110.94	$77.77	$1,188.70	$1,948.50	$14.00	$3,151.20

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+	*7%*	=	Water	Sewer	Garbage	Total
425	$1,113.52		$77.95		$1,191.47	$1,953.06	$14.00	$3,158.53
426	$1,116.10		$78.13		$1,194.23	$1,957.63	$14.00	$3,165.86
427	$1,118.69		$78.31		$1,197.00	$1,962.20	$14.00	$3,173.20
428	$1,121.27		$78.49		$1,199.76	$1,966.77	$14.00	$3,180.53
429	$1,123.86		$78.67		$1,202.53	$1,971.33	$14.00	$3,187.86
430	$1,126.44		$78.85		$1,205.29	$1,975.90	$14.00	$3,195.19
431	$1,129.03		$79.03		$1,208.06	$1,980.47	$14.00	$3,202.53
432	$1,131.61		$79.21		$1,210.82	$1,985.04	$14.00	$3,209.86
433	$1,134.19		$79.39		$1,213.59	$1,989.60	$14.00	$3,217.19
434	$1,136.78		$79.57		$1,216.35	$1,994.17	$14.00	$3,224.53
435	$1,139.36		$79.76		$1,219.12	$1,998.74	$14.00	$3,231.86
436	$1,141.95		$79.94		$1,221.88	$2,003.31	$14.00	$3,239.19
437	$1,144.53		$80.12		$1,224.65	$2,007.87	$14.00	$3,246.52
438	$1,147.12		$80.30		$1,227.41	$2,012.44	$14.00	$3,253.86
439	$1,149.70		$80.48		$1,230.18	$2,017.01	$14.00	$3,261.19
440	$1,152.28		$80.66		$1,232.94	$2,021.58	$14.00	$3,268.52
441	$1,154.87		$80.84		$1,235.71	$2,026.15	$14.00	$3,275.85
442	$1,157.45		$81.02		$1,238.47	$2,030.71	$14.00	$3,283.19
443	$1,160.04		$81.20		$1,241.24	$2,035.28	$14.00	$3,290.52
444	$1,162.62		$81.38		$1,244.00	$2,039.85	$14.00	$3,297.85
445	$1,165.21		$81.56		$1,246.77	$2,044.42	$14.00	$3,305.19
446	$1,167.79		$81.75		$1,249.54	$2,048.98	$14.00	$3,312.52
447	$1,170.37		$81.93		$1,252.30	$2,053.55	$14.00	$3,319.85
448	$1,172.96		$82.11		$1,255.07	$2,058.12	$14.00	$3,327.18
449	$1,175.54		$82.29		$1,257.83	$2,062.69	$14.00	$3,334.52
450	$1,178.13		$82.47		$1,260.60	$2,067.25	$14.00	$3,341.85
451	$1,180.71		$82.65		$1,263.36	$2,071.82	$14.00	$3,349.18
452	$1,183.30		$82.83		$1,266.13	$2,076.39	$14.00	$3,356.52
453	$1,185.88		$83.01		$1,268.89	$2,080.96	$14.00	$3,363.85
454	$1,188.46		$83.19		$1,271.66	$2,085.52	$14.00	$3,371.18
455	$1,191.05		$83.37		$1,274.42	$2,090.09	$14.00	$3,378.51
456	$1,193.63		$83.55		$1,277.19	$2,094.66	$14.00	$3,385.85
457	$1,196.22		$83.74		$1,279.95	$2,099.23	$14.00	$3,393.18
458	$1,198.80		$83.92		$1,282.72	$2,103.79	$14.00	$3,400.51
459	$1,201.39		$84.10		$1,285.48	$2,108.36	$14.00	$3,407.85
460	$1,203.97		$84.28		$1,288.25	$2,112.93	$14.00	$3,415.18
461	$1,206.55		$84.46		$1,291.01	$2,117.50	$14.00	$3,422.51
462	$1,209.14		$84.64		$1,293.78	$2,122.06	$14.00	$3,429.84
463	$1,211.72		$84.82		$1,296.54	$2,126.63	$14.00	$3,437.18
464	$1,214.31		$85.00		$1,299.31	$2,131.20	$14.00	$3,444.51
465	$1,216.89		$85.18		$1,302.07	$2,135.77	$14.00	$3,451.84
466	$1,219.48		$85.36		$1,304.84	$2,140.34	$14.00	$3,459.17
467	$1,222.06		$85.54		$1,307.60	$2,144.90	$14.00	$3,466.51
468	$1,224.64		$85.73		$1,310.37	$2,149.47	$14.00	$3,473.84
469	$1,227.23		$85.91		$1,313.13	$2,154.04	$14.00	$3,481.17
470	$1,229.81		$86.09		$1,315.90	$2,158.61	$14.00	$3,488.51
471	$1,232.40		$86.27		$1,318.67	$2,163.17	$14.00	$3,495.84

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
472	$1,234.98	$86.45	$1,321.43	$2,167.74	$14.00	$3,503.17
473	$1,237.57	$86.63	$1,324.20	$2,172.31	$14.00	$3,510.50
474	$1,240.15	$86.81	$1,326.96	$2,176.88	$14.00	$3,517.84
475	$1,242.73	$86.99	$1,329.73	$2,181.44	$14.00	$3,525.17
476	$1,245.32	$87.17	$1,332.49	$2,186.01	$14.00	$3,532.50
477	$1,247.90	$87.35	$1,335.26	$2,190.58	$14.00	$3,539.84
478	$1,250.49	$87.53	$1,338.02	$2,195.15	$14.00	$3,547.17
479	$1,253.07	$87.72	$1,340.79	$2,199.71	$14.00	$3,554.50
480	$1,255.66	$87.90	$1,343.55	$2,204.28	$14.00	$3,561.83
481	$1,258.24	$88.08	$1,346.32	$2,208.85	$14.00	$3,569.17
482	$1,260.82	$88.26	$1,349.08	$2,213.42	$14.00	$3,576.50
483	$1,263.41	$88.44	$1,351.85	$2,217.98	$14.00	$3,583.83
484	$1,265.99	$88.62	$1,354.61	$2,222.55	$14.00	$3,591.17
485	$1,268.58	$88.80	$1,357.38	$2,227.12	$14.00	$3,598.50
486	$1,271.16	$88.98	$1,360.14	$2,231.69	$14.00	$3,605.83
487	$1,273.75	$89.16	$1,362.91	$2,236.25	$14.00	$3,613.16
488	$1,276.33	$89.34	$1,365.67	$2,240.82	$14.00	$3,620.50
489	$1,278.91	$89.52	$1,368.44	$2,245.39	$14.00	$3,627.83
490	$1,281.50	$89.70	$1,371.20	$2,249.96	$14.00	$3,635.16
491	$1,284.08	$89.89	$1,373.97	$2,254.53	$14.00	$3,642.49
492	$1,286.67	$90.07	$1,376.73	$2,259.09	$14.00	$3,649.83
493	$1,289.25	$90.25	$1,379.50	$2,263.66	$14.00	$3,657.16
494	$1,291.84	$90.43	$1,382.26	$2,268.23	$14.00	$3,664.49
495	$1,294.42	$90.61	$1,385.03	$2,272.80	$14.00	$3,671.83
496	$1,297.01	$90.79	$1,387.80	$2,277.36	$14.00	$3,679.16
497	$1,299.59	$90.97	$1,390.56	$2,281.93	$14.00	$3,686.49
498	$1,302.17	$91.15	$1,393.33	$2,286.50	$14.00	$3,693.82
499	$1,304.76	$91.33	$1,396.09	$2,291.07	$14.00	$3,701.16
500	$1,307.34	$91.51	$1,398.86	$2,295.63	$14.00	$3,708.49
501	$1,309.93	$91.69	$1,401.62	$2,300.20	$14.00	$3,715.82
502	$1,312.51	$91.88	$1,404.39	$2,304.77	$14.00	$3,723.16
503	$1,315.10	$92.06	$1,407.15	$2,309.34	$14.00	$3,730.49
504	$1,317.68	$92.24	$1,409.92	$2,313.90	$14.00	$3,737.82
505	$1,320.26	$92.42	$1,412.68	$2,318.47	$14.00	$3,745.15
506	$1,322.85	$92.60	$1,415.45	$2,323.04	$14.00	$3,752.49
507	$1,325.43	$92.78	$1,418.21	$2,327.61	$14.00	$3,759.82
508	$1,328.02	$92.96	$1,420.98	$2,332.17	$14.00	$3,767.15
509	$1,330.60	$93.14	$1,423.74	$2,336.74	$14.00	$3,774.49
510	$1,333.19	$93.32	$1,426.51	$2,341.31	$14.00	$3,781.82
511	$1,335.77	$93.50	$1,429.27	$2,345.88	$14.00	$3,789.15
512	$1,338.35	$93.68	$1,432.04	$2,350.44	$14.00	$3,796.48
513	$1,340.94	$93.87	$1,434.80	$2,355.01	$14.00	$3,803.82
514	$1,343.52	$94.05	$1,437.57	$2,359.58	$14.00	$3,811.15
515	$1,346.11	$94.23	$1,440.33	$2,364.15	$14.00	$3,818.48
516	$1,348.69	$94.41	$1,443.10	$2,368.72	$14.00	$3,825.81
517	$1,351.28	$94.59	$1,445.86	$2,373.28	$14.00	$3,833.15
518	$1,353.86	$94.77	$1,448.63	$2,377.85	$14.00	$3,840.48

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+	*7%*	=	Water	Sewer	Garbage	Total
519	$1,356.44		$94.95		$1,451.39	$2,382.42	$14.00	$3,847.81
520	$1,359.03		$95.13		$1,454.16	$2,386.99	$14.00	$3,855.15
521	$1,361.61		$95.31		$1,456.93	$2,391.55	$14.00	$3,862.48
522	$1,364.20		$95.49		$1,459.69	$2,396.12	$14.00	$3,869.81
523	$1,366.78		$95.67		$1,462.46	$2,400.69	$14.00	$3,877.14
524	$1,369.37		$95.86		$1,465.22	$2,405.26	$14.00	$3,884.48
525	$1,371.95		$96.04		$1,467.99	$2,409.82	$14.00	$3,891.81
526	$1,374.53		$96.22		$1,470.75	$2,414.39	$14.00	$3,899.14
527	$1,377.12		$96.40		$1,473.52	$2,418.96	$14.00	$3,906.48
528	$1,379.70		$96.58		$1,476.28	$2,423.53	$14.00	$3,913.81
529	$1,382.29		$96.76		$1,479.05	$2,428.09	$14.00	$3,921.14
530	$1,384.87		$96.94		$1,481.81	$2,432.66	$14.00	$3,928.47
531	$1,387.46		$97.12		$1,484.58	$2,437.23	$14.00	$3,935.81
532	$1,390.04		$97.30		$1,487.34	$2,441.80	$14.00	$3,943.14
533	$1,392.62		$97.48		$1,490.11	$2,446.36	$14.00	$3,950.47
534	$1,395.21		$97.66		$1,492.87	$2,450.93	$14.00	$3,957.81
535	$1,397.79		$97.85		$1,495.64	$2,455.50	$14.00	$3,965.14
536	$1,400.38		$98.03		$1,498.40	$2,460.07	$14.00	$3,972.47
537	$1,402.96		$98.21		$1,501.17	$2,464.63	$14.00	$3,979.80
538	$1,405.55		$98.39		$1,503.93	$2,469.20	$14.00	$3,987.14
539	$1,408.13		$98.57		$1,506.70	$2,473.77	$14.00	$3,994.47
540	$1,410.71		$98.75		$1,509.46	$2,478.34	$14.00	$4,001.80
541	$1,413.30		$98.93		$1,512.23	$2,482.91	$14.00	$4,009.13
542	$1,415.88		$99.11		$1,514.99	$2,487.47	$14.00	$4,016.47
543	$1,418.47		$99.29		$1,517.76	$2,492.04	$14.00	$4,023.80
544	$1,421.05		$99.47		$1,520.52	$2,496.61	$14.00	$4,031.13
545	$1,423.64		$99.65		$1,523.29	$2,501.18	$14.00	$4,038.47
546	$1,426.22		$99.84		$1,526.06	$2,505.74	$14.00	$4,045.80
547	$1,428.80		$100.02		$1,528.82	$2,510.31	$14.00	$4,053.13
548	$1,431.39		$100.20		$1,531.59	$2,514.88	$14.00	$4,060.46
549	$1,433.97		$100.38		$1,534.35	$2,519.45	$14.00	$4,067.80
550	$1,436.56		$100.56		$1,537.12	$2,524.01	$14.00	$4,075.13
551	$1,439.14		$100.74		$1,539.88	$2,528.58	$14.00	$4,082.46
552	$1,441.73		$100.92		$1,542.65	$2,533.15	$14.00	$4,089.80
553	$1,444.31		$101.10		$1,545.41	$2,537.72	$14.00	$4,097.13
554	$1,446.89		$101.28		$1,548.18	$2,542.28	$14.00	$4,104.46
555	$1,449.48		$101.46		$1,550.94	$2,546.85	$14.00	$4,111.79
556	$1,452.06		$101.64		$1,553.71	$2,551.42	$14.00	$4,119.13
557	$1,454.65		$101.83		$1,556.47	$2,555.99	$14.00	$4,126.46
558	$1,457.23		$102.01		$1,559.24	$2,560.55	$14.00	$4,133.79
559	$1,459.82		$102.19		$1,562.00	$2,565.12	$14.00	$4,141.12
560	$1,462.40		$102.37		$1,564.77	$2,569.69	$14.00	$4,148.46
561	$1,464.98		$102.55		$1,567.53	$2,574.26	$14.00	$4,155.79
562	$1,467.57		$102.73		$1,570.30	$2,578.82	$14.00	$4,163.12
563	$1,470.15		$102.91		$1,573.06	$2,583.39	$14.00	$4,170.46
564	$1,472.74		$103.09		$1,575.83	$2,587.96	$14.00	$4,177.79
565	$1,475.32		$103.27		$1,578.59	$2,592.53	$14.00	$4,185.12

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
566	$1,477.91	$103.45	$1,581.36	$2,597.10	$14.00	$4,192.45
567	$1,480.49	$103.63	$1,584.12	$2,601.66	$14.00	$4,199.79
568	$1,483.07	$103.82	$1,586.89	$2,606.23	$14.00	$4,207.12
569	$1,485.66	$104.00	$1,589.66	$2,610.80	$14.00	$4,214.45
570	$1,488.24	$104.18	$1,592.42	$2,615.37	$14.00	$4,221.79
571	$1,490.83	$104.36	$1,595.19	$2,619.93	$14.00	$4,229.12
572	$1,493.41	$104.54	$1,597.95	$2,624.50	$14.00	$4,236.45
573	$1,496.00	$104.72	$1,600.72	$2,629.07	$14.00	$4,243.78
574	$1,498.58	$104.90	$1,603.48	$2,633.64	$14.00	$4,251.12
575	$1,501.16	$105.08	$1,606.25	$2,638.20	$14.00	$4,258.45
576	$1,503.75	$105.26	$1,609.01	$2,642.77	$14.00	$4,265.78
577	$1,506.33	$105.44	$1,611.78	$2,647.34	$14.00	$4,273.12
578	$1,508.92	$105.62	$1,614.54	$2,651.91	$14.00	$4,280.45
579	$1,511.50	$105.81	$1,617.31	$2,656.47	$14.00	$4,287.78
580	$1,514.09	$105.99	$1,620.07	$2,661.04	$14.00	$4,295.11
581	$1,516.67	$106.17	$1,622.84	$2,665.61	$14.00	$4,302.45
582	$1,519.25	$106.35	$1,625.60	$2,670.18	$14.00	$4,309.78
583	$1,521.84	$106.53	$1,628.37	$2,674.74	$14.00	$4,317.11
584	$1,524.42	$106.71	$1,631.13	$2,679.31	$14.00	$4,324.44
585	$1,527.01	$106.89	$1,633.90	$2,683.88	$14.00	$4,331.78
586	$1,529.59	$107.07	$1,636.66	$2,688.45	$14.00	$4,339.11
587	$1,532.18	$107.25	$1,639.43	$2,693.01	$14.00	$4,346.44
588	$1,534.76	$107.43	$1,642.19	$2,697.58	$14.00	$4,353.78
589	$1,537.34	$107.61	$1,644.96	$2,702.15	$14.00	$4,361.11
590	$1,539.93	$107.80	$1,647.72	$2,706.72	$14.00	$4,368.44
591	$1,542.51	$107.98	$1,650.49	$2,711.29	$14.00	$4,375.77
592	$1,545.10	$108.16	$1,653.25	$2,715.85	$14.00	$4,383.11
593	$1,547.68	$108.34	$1,656.02	$2,720.42	$14.00	$4,390.44
594	$1,550.27	$108.52	$1,658.79	$2,724.99	$14.00	$4,397.77
595	$1,552.85	$108.70	$1,661.55	$2,729.56	$14.00	$4,405.11
596	$1,555.43	$108.88	$1,664.32	$2,734.12	$14.00	$4,412.44
597	$1,558.02	$109.06	$1,667.08	$2,738.69	$14.00	$4,419.77
598	$1,560.60	$109.24	$1,669.85	$2,743.26	$14.00	$4,427.10
599	$1,563.19	$109.42	$1,672.61	$2,747.83	$14.00	$4,434.44
600	$1,565.77	$109.60	$1,675.38	$2,752.39	$14.00	$4,441.77
601	$1,568.36	$109.78	$1,678.14	$2,756.96	$14.00	$4,449.10
602	$1,570.94	$109.97	$1,680.91	$2,761.53	$14.00	$4,456.44
603	$1,573.53	$110.15	$1,683.67	$2,766.10	$14.00	$4,463.77
604	$1,576.11	$110.33	$1,686.44	$2,770.66	$14.00	$4,471.10
605	$1,578.69	$110.51	$1,689.20	$2,775.23	$14.00	$4,478.43
606	$1,581.28	$110.69	$1,691.97	$2,779.80	$14.00	$4,485.77
607	$1,583.86	$110.87	$1,694.73	$2,784.37	$14.00	$4,493.10
608	$1,586.45	$111.05	$1,697.50	$2,788.93	$14.00	$4,500.43
609	$1,589.03	$111.23	$1,700.26	$2,793.50	$14.00	$4,507.76
610	$1,591.62	$111.41	$1,703.03	$2,798.07	$14.00	$4,515.10
611	$1,594.20	$111.59	$1,705.79	$2,802.64	$14.00	$4,522.43
612	$1,596.78	$111.77	$1,708.56	$2,807.20	$14.00	$4,529.76

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
613	$1,599.37	$111.96	$1,711.32	$2,811.77	$14.00	$4,537.10
614	$1,601.95	$112.14	$1,714.09	$2,816.34	$14.00	$4,544.43
615	$1,604.54	$112.32	$1,716.85	$2,820.91	$14.00	$4,551.76
616	$1,607.12	$112.50	$1,719.62	$2,825.48	$14.00	$4,559.09
617	$1,609.71	$112.68	$1,722.38	$2,830.04	$14.00	$4,566.43
618	$1,612.29	$112.86	$1,725.15	$2,834.61	$14.00	$4,573.76
619	$1,614.87	$113.04	$1,727.92	$2,839.18	$14.00	$4,581.09
620	$1,617.46	$113.22	$1,730.68	$2,843.75	$14.00	$4,588.43
621	$1,620.04	$113.40	$1,733.45	$2,848.31	$14.00	$4,595.76
622	$1,622.63	$113.58	$1,736.21	$2,852.88	$14.00	$4,603.09
623	$1,625.21	$113.76	$1,738.98	$2,857.45	$14.00	$4,610.42
624	$1,627.80	$113.95	$1,741.74	$2,862.02	$14.00	$4,617.76
625	$1,630.38	$114.13	$1,744.51	$2,866.58	$14.00	$4,625.09
626	$1,632.96	$114.31	$1,747.27	$2,871.15	$14.00	$4,632.42
627	$1,635.55	$114.49	$1,750.04	$2,875.72	$14.00	$4,639.76
628	$1,638.13	$114.67	$1,752.80	$2,880.29	$14.00	$4,647.09
629	$1,640.72	$114.85	$1,755.57	$2,884.85	$14.00	$4,654.42
630	$1,643.30	$115.03	$1,758.33	$2,889.42	$14.00	$4,661.75
631	$1,645.89	$115.21	$1,761.10	$2,893.99	$14.00	$4,669.09
632	$1,648.47	$115.39	$1,763.86	$2,898.56	$14.00	$4,676.42
633	$1,651.05	$115.57	$1,766.63	$2,903.12	$14.00	$4,683.75
634	$1,653.64	$115.75	$1,769.39	$2,907.69	$14.00	$4,691.08
635	$1,656.22	$115.94	$1,772.16	$2,912.26	$14.00	$4,698.42
636	$1,658.81	$116.12	$1,774.92	$2,916.83	$14.00	$4,705.75
637	$1,661.39	$116.30	$1,777.69	$2,921.39	$14.00	$4,713.08
638	$1,663.98	$116.48	$1,780.45	$2,925.96	$14.00	$4,720.42
639	$1,666.56	$116.66	$1,783.22	$2,930.53	$14.00	$4,727.75
640	$1,669.14	$116.84	$1,785.98	$2,935.10	$14.00	$4,735.08
641	$1,671.73	$117.02	$1,788.75	$2,939.67	$14.00	$4,742.41
642	$1,674.31	$117.20	$1,791.51	$2,944.23	$14.00	$4,749.75
643	$1,676.90	$117.38	$1,794.28	$2,948.80	$14.00	$4,757.08
644	$1,679.48	$117.56	$1,797.05	$2,953.37	$14.00	$4,764.41
645	$1,682.07	$117.74	$1,799.81	$2,957.94	$14.00	$4,771.75
646	$1,684.65	$117.93	$1,802.58	$2,962.50	$14.00	$4,779.08
647	$1,687.23	$118.11	$1,805.34	$2,967.07	$14.00	$4,786.41
648	$1,689.82	$118.29	$1,808.11	$2,971.64	$14.00	$4,793.74
649	$1,692.40	$118.47	$1,810.87	$2,976.21	$14.00	$4,801.08
650	$1,694.99	$118.65	$1,813.64	$2,980.77	$14.00	$4,808.41
651	$1,697.57	$118.83	$1,816.40	$2,985.34	$14.00	$4,815.74
652	$1,700.16	$119.01	$1,819.17	$2,989.91	$14.00	$4,823.08
653	$1,702.74	$119.19	$1,821.93	$2,994.48	$14.00	$4,830.41
654	$1,705.32	$119.37	$1,824.70	$2,999.04	$14.00	$4,837.74
655	$1,707.91	$119.55	$1,827.46	$3,003.61	$14.00	$4,845.07
656	$1,710.49	$119.73	$1,830.23	$3,008.18	$14.00	$4,852.41
657	$1,713.08	$119.92	$1,832.99	$3,012.75	$14.00	$4,859.74
658	$1,715.66	$120.10	$1,835.76	$3,017.31	$14.00	$4,867.07
659	$1,718.25	$120.28	$1,838.52	$3,021.88	$14.00	$4,874.40

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
660	$1,720.83	$120.46	$1,841.29	$3,026.45	$14.00	$4,881.74
661	$1,723.41	$120.64	$1,844.05	$3,031.02	$14.00	$4,889.07
662	$1,726.00	$120.82	$1,846.82	$3,035.58	$14.00	$4,896.40
663	$1,728.58	$121.00	$1,849.58	$3,040.15	$14.00	$4,903.74
664	$1,731.17	$121.18	$1,852.35	$3,044.72	$14.00	$4,911.07
665	$1,733.75	$121.36	$1,855.11	$3,049.29	$14.00	$4,918.40
666	$1,736.34	$121.54	$1,857.88	$3,053.86	$14.00	$4,925.73
667	$1,738.92	$121.72	$1,860.64	$3,058.42	$14.00	$4,933.07
668	$1,741.50	$121.91	$1,863.41	$3,062.99	$14.00	$4,940.40
669	$1,744.09	$122.09	$1,866.18	$3,067.56	$14.00	$4,947.73
670	$1,746.67	$122.27	$1,868.94	$3,072.13	$14.00	$4,955.07
671	$1,749.26	$122.45	$1,871.71	$3,076.69	$14.00	$4,962.40
672	$1,751.84	$122.63	$1,874.47	$3,081.26	$14.00	$4,969.73
673	$1,754.43	$122.81	$1,877.24	$3,085.83	$14.00	$4,977.06
674	$1,757.01	$122.99	$1,880.00	$3,090.40	$14.00	$4,984.40
675	$1,759.59	$123.17	$1,882.77	$3,094.96	$14.00	$4,991.73
676	$1,762.18	$123.35	$1,885.53	$3,099.53	$14.00	$4,999.06
677	$1,764.76	$123.53	$1,888.30	$3,104.10	$14.00	$5,006.40
678	$1,767.35	$123.71	$1,891.06	$3,108.67	$14.00	$5,013.73
679	$1,769.93	$123.90	$1,893.83	$3,113.23	$14.00	$5,021.06
680	$1,772.52	$124.08	$1,896.59	$3,117.80	$14.00	$5,028.39
681	$1,775.10	$124.26	$1,899.36	$3,122.37	$14.00	$5,035.73
682	$1,777.68	$124.44	$1,902.12	$3,126.94	$14.00	$5,043.06
683	$1,780.27	$124.62	$1,904.89	$3,131.50	$14.00	$5,050.39
684	$1,782.85	$124.80	$1,907.65	$3,136.07	$14.00	$5,057.72
685	$1,785.44	$124.98	$1,910.42	$3,140.64	$14.00	$5,065.06
686	$1,788.02	$125.16	$1,913.18	$3,145.21	$14.00	$5,072.39
687	$1,790.61	$125.34	$1,915.95	$3,149.77	$14.00	$5,079.72
688	$1,793.19	$125.52	$1,918.71	$3,154.34	$14.00	$5,087.06
689	$1,795.77	$125.70	$1,921.48	$3,158.91	$14.00	$5,094.39
690	$1,798.36	$125.89	$1,924.24	$3,163.48	$14.00	$5,101.72
691	$1,800.94	$126.07	$1,927.01	$3,168.05	$14.00	$5,109.05
692	$1,803.53	$126.25	$1,929.77	$3,172.61	$14.00	$5,116.39
693	$1,806.11	$126.43	$1,932.54	$3,177.18	$14.00	$5,123.72
694	$1,808.70	$126.61	$1,935.31	$3,181.75	$14.00	$5,131.05
695	$1,811.28	$126.79	$1,938.07	$3,186.32	$14.00	$5,138.39
696	$1,813.86	$126.97	$1,940.84	$3,190.88	$14.00	$5,145.72
697	$1,816.45	$127.15	$1,943.60	$3,195.45	$14.00	$5,153.05
698	$1,819.03	$127.33	$1,946.37	$3,200.02	$14.00	$5,160.38
699	$1,821.62	$127.51	$1,949.13	$3,204.59	$14.00	$5,167.72
700	$1,824.20	$127.69	$1,951.90	$3,209.15	$14.00	$5,175.05
701	$1,826.79	$127.88	$1,954.66	$3,213.72	$14.00	$5,182.38
702	$1,829.37	$128.06	$1,957.43	$3,218.29	$14.00	$5,189.72
703	$1,831.95	$128.24	$1,960.19	$3,222.86	$14.00	$5,197.05
704	$1,834.54	$128.42	$1,962.96	$3,227.42	$14.00	$5,204.38
705	$1,837.12	$128.60	$1,965.72	$3,231.99	$14.00	$5,211.71
706	$1,839.71	$128.78	$1,968.49	$3,236.56	$14.00	$5,219.05

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
707	$1,842.29	$128.96	$1,971.25	$3,241.13	$14.00	$5,226.38
708	$1,844.88	$129.14	$1,974.02	$3,245.69	$14.00	$5,233.71
709	$1,847.46	$129.32	$1,976.78	$3,250.26	$14.00	$5,241.04
710	$1,850.05	$129.50	$1,979.55	$3,254.83	$14.00	$5,248.38
711	$1,852.63	$129.68	$1,982.31	$3,259.40	$14.00	$5,255.71
712	$1,855.21	$129.86	$1,985.08	$3,263.96	$14.00	$5,263.04
713	$1,857.80	$130.05	$1,987.84	$3,268.53	$14.00	$5,270.38
714	$1,860.38	$130.23	$1,990.61	$3,273.10	$14.00	$5,277.71
715	$1,862.97	$130.41	$1,993.37	$3,277.67	$14.00	$5,285.04
716	$1,865.55	$130.59	$1,996.14	$3,282.24	$14.00	$5,292.37
717	$1,868.14	$130.77	$1,998.90	$3,286.80	$14.00	$5,299.71
718	$1,870.72	$130.95	$2,001.67	$3,291.37	$14.00	$5,307.04
719	$1,873.30	$131.13	$2,004.44	$3,295.94	$14.00	$5,314.37
720	$1,875.89	$131.31	$2,007.20	$3,300.51	$14.00	$5,321.71
721	$1,878.47	$131.49	$2,009.97	$3,305.07	$14.00	$5,329.04
722	$1,881.06	$131.67	$2,012.73	$3,309.64	$14.00	$5,336.37
723	$1,883.64	$131.85	$2,015.50	$3,314.21	$14.00	$5,343.70
724	$1,886.23	$132.04	$2,018.26	$3,318.78	$14.00	$5,351.04
725	$1,888.81	$132.22	$2,021.03	$3,323.34	$14.00	$5,358.37
726	$1,891.39	$132.40	$2,023.79	$3,327.91	$14.00	$5,365.70
727	$1,893.98	$132.58	$2,026.56	$3,332.48	$14.00	$5,373.04
728	$1,896.56	$132.76	$2,029.32	$3,337.05	$14.00	$5,380.37
729	$1,899.15	$132.94	$2,032.09	$3,341.61	$14.00	$5,387.70
730	$1,901.73	$133.12	$2,034.85	$3,346.18	$14.00	$5,395.03
731	$1,904.32	$133.30	$2,037.62	$3,350.75	$14.00	$5,402.37
732	$1,906.90	$133.48	$2,040.38	$3,355.32	$14.00	$5,409.70
733	$1,909.48	$133.66	$2,043.15	$3,359.88	$14.00	$5,417.03
734	$1,912.07	$133.84	$2,045.91	$3,364.45	$14.00	$5,424.36
735	$1,914.65	$134.03	$2,048.68	$3,369.02	$14.00	$5,431.70
736	$1,917.24	$134.21	$2,051.44	$3,373.59	$14.00	$5,439.03
737	$1,919.82	$134.39	$2,054.21	$3,378.15	$14.00	$5,446.36
738	$1,922.41	$134.57	$2,056.97	$3,382.72	$14.00	$5,453.70
739	$1,924.99	$134.75	$2,059.74	$3,387.29	$14.00	$5,461.03
740	$1,927.57	$134.93	$2,062.50	$3,391.86	$14.00	$5,468.36
741	$1,930.16	$135.11	$2,065.27	$3,396.42	$14.00	$5,475.69
742	$1,932.74	$135.29	$2,068.03	$3,400.99	$14.00	$5,483.03
743	$1,935.33	$135.47	$2,070.80	$3,405.56	$14.00	$5,490.36
744	$1,937.91	$135.65	$2,073.57	$3,410.13	$14.00	$5,497.69
745	$1,940.50	$135.83	$2,076.33	$3,414.70	$14.00	$5,505.03
746	$1,943.08	$136.02	$2,079.10	$3,419.26	$14.00	$5,512.36
747	$1,945.66	$136.20	$2,081.86	$3,423.83	$14.00	$5,519.69
748	$1,948.25	$136.38	$2,084.63	$3,428.40	$14.00	$5,527.02
749	$1,950.83	$136.56	$2,087.39	$3,432.97	$14.00	$5,534.36
750	$1,953.42	$136.74	$2,090.16	$3,437.53	$14.00	$5,541.69
751	$1,956.00	$136.92	$2,092.92	$3,442.10	$14.00	$5,549.02
752	$1,958.59	$137.10	$2,095.69	$3,446.67	$14.00	$5,556.36
753	$1,961.17	$137.28	$2,098.45	$3,451.24	$14.00	$5,563.69

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
754	$1,963.75	$137.46	$2,101.22	$3,455.80	$14.00	$5,571.02
755	$1,966.34	$137.64	$2,103.98	$3,460.37	$14.00	$5,578.35
756	$1,968.92	$137.82	$2,106.75	$3,464.94	$14.00	$5,585.69
757	$1,971.51	$138.01	$2,109.51	$3,469.51	$14.00	$5,593.02
758	$1,974.09	$138.19	$2,112.28	$3,474.07	$14.00	$5,600.35
759	$1,976.68	$138.37	$2,115.04	$3,478.64	$14.00	$5,607.68
760	$1,979.26	$138.55	$2,117.81	$3,483.21	$14.00	$5,615.02
761	$1,981.84	$138.73	$2,120.57	$3,487.78	$14.00	$5,622.35
762	$1,984.43	$138.91	$2,123.34	$3,492.34	$14.00	$5,629.68
763	$1,987.01	$139.09	$2,126.10	$3,496.91	$14.00	$5,637.02
764	$1,989.60	$139.27	$2,128.87	$3,501.48	$14.00	$5,644.35
765	$1,992.18	$139.45	$2,131.63	$3,506.05	$14.00	$5,651.68
766	$1,994.77	$139.63	$2,134.40	$3,510.61	$14.00	$5,659.01
767	$1,997.35	$139.81	$2,137.16	$3,515.18	$14.00	$5,666.35
768	$1,999.93	$140.00	$2,139.93	$3,519.75	$14.00	$5,673.68
769	$2,002.52	$140.18	$2,142.70	$3,524.32	$14.00	$5,681.01
770	$2,005.10	$140.36	$2,145.46	$3,528.89	$14.00	$5,688.35
771	$2,007.69	$140.54	$2,148.23	$3,533.45	$14.00	$5,695.68
772	$2,010.27	$140.72	$2,150.99	$3,538.02	$14.00	$5,703.01
773	$2,012.86	$140.90	$2,153.76	$3,542.59	$14.00	$5,710.34
774	$2,015.44	$141.08	$2,156.52	$3,547.16	$14.00	$5,717.68
775	$2,018.02	$141.26	$2,159.29	$3,551.72	$14.00	$5,725.01
776	$2,020.61	$141.44	$2,162.05	$3,556.29	$14.00	$5,732.34
777	$2,023.19	$141.62	$2,164.82	$3,560.86	$14.00	$5,739.68
778	$2,025.78	$141.80	$2,167.58	$3,565.43	$14.00	$5,747.01
779	$2,028.36	$141.99	$2,170.35	$3,569.99	$14.00	$5,754.34
780	$2,030.95	$142.17	$2,173.11	$3,574.56	$14.00	$5,761.67
781	$2,033.53	$142.35	$2,175.88	$3,579.13	$14.00	$5,769.01
782	$2,036.11	$142.53	$2,178.64	$3,583.70	$14.00	$5,776.34
783	$2,038.70	$142.71	$2,181.41	$3,588.26	$14.00	$5,783.67
784	$2,041.28	$142.89	$2,184.17	$3,592.83	$14.00	$5,791.00
785	$2,043.87	$143.07	$2,186.94	$3,597.40	$14.00	$5,798.34
786	$2,046.45	$143.25	$2,189.70	$3,601.97	$14.00	$5,805.67
787	$2,049.04	$143.43	$2,192.47	$3,606.53	$14.00	$5,813.00
788	$2,051.62	$143.61	$2,195.23	$3,611.10	$14.00	$5,820.34
789	$2,054.20	$143.79	$2,198.00	$3,615.67	$14.00	$5,827.67
790	$2,056.79	$143.98	$2,200.76	$3,620.24	$14.00	$5,835.00
791	$2,059.37	$144.16	$2,203.53	$3,624.80	$14.00	$5,842.33
792	$2,061.96	$144.34	$2,206.29	$3,629.37	$14.00	$5,849.67
793	$2,064.54	$144.52	$2,209.06	$3,633.94	$14.00	$5,857.00
794	$2,067.13	$144.70	$2,211.83	$3,638.51	$14.00	$5,864.33
795	$2,069.71	$144.88	$2,214.59	$3,643.08	$14.00	$5,871.67
796	$2,072.29	$145.06	$2,217.36	$3,647.64	$14.00	$5,879.00
797	$2,074.88	$145.24	$2,220.12	$3,652.21	$14.00	$5,886.33
798	$2,077.46	$145.42	$2,222.89	$3,656.78	$14.00	$5,893.66
799	$2,080.05	$145.60	$2,225.65	$3,661.35	$14.00	$5,901.00
800	$2,082.63	$145.78	$2,228.42	$3,665.91	$14.00	$5,908.33

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
801	$2,085.22	$145.97	$2,231.18	$3,670.48	$14.00	$5,915.66
802	$2,087.80	$146.15	$2,233.95	$3,675.05	$14.00	$5,923.00
803	$2,090.38	$146.33	$2,236.71	$3,679.62	$14.00	$5,930.33
804	$2,092.97	$146.51	$2,239.48	$3,684.18	$14.00	$5,937.66
805	$2,095.55	$146.69	$2,242.24	$3,688.75	$14.00	$5,944.99
806	$2,098.14	$146.87	$2,245.01	$3,693.32	$14.00	$5,952.33
807	$2,100.72	$147.05	$2,247.77	$3,697.89	$14.00	$5,959.66
808	$2,103.31	$147.23	$2,250.54	$3,702.45	$14.00	$5,966.99
809	$2,105.89	$147.41	$2,253.30	$3,707.02	$14.00	$5,974.32
810	$2,108.48	$147.59	$2,256.07	$3,711.59	$14.00	$5,981.66
811	$2,111.06	$147.77	$2,258.83	$3,716.16	$14.00	$5,988.99
812	$2,113.64	$147.96	$2,261.60	$3,720.72	$14.00	$5,996.32
813	$2,116.23	$148.14	$2,264.36	$3,725.29	$14.00	$6,003.66
814	$2,118.81	$148.32	$2,267.13	$3,729.86	$14.00	$6,010.99
815	$2,121.40	$148.50	$2,269.89	$3,734.43	$14.00	$6,018.32
816	$2,123.98	$148.68	$2,272.66	$3,738.99	$14.00	$6,025.65
817	$2,126.57	$148.86	$2,275.42	$3,743.56	$14.00	$6,032.99
818	$2,129.15	$149.04	$2,278.19	$3,748.13	$14.00	$6,040.32
819	$2,131.73	$149.22	$2,280.96	$3,752.70	$14.00	$6,047.65
820	$2,134.32	$149.40	$2,283.72	$3,757.27	$14.00	$6,054.99
821	$2,136.90	$149.58	$2,286.49	$3,761.83	$14.00	$6,062.32
822	$2,139.49	$149.76	$2,289.25	$3,766.40	$14.00	$6,069.65
823	$2,142.07	$149.94	$2,292.02	$3,770.97	$14.00	$6,076.98
824	$2,144.66	$150.13	$2,294.78	$3,775.54	$14.00	$6,084.32
825	$2,147.24	$150.31	$2,297.55	$3,780.10	$14.00	$6,091.65
826	$2,149.82	$150.49	$2,300.31	$3,784.67	$14.00	$6,098.98
827	$2,152.41	$150.67	$2,303.08	$3,789.24	$14.00	$6,106.32
828	$2,154.99	$150.85	$2,305.84	$3,793.81	$14.00	$6,113.65
829	$2,157.58	$151.03	$2,308.61	$3,798.37	$14.00	$6,120.98
830	$2,160.16	$151.21	$2,311.37	$3,802.94	$14.00	$6,128.31
831	$2,162.75	$151.39	$2,314.14	$3,807.51	$14.00	$6,135.65
832	$2,165.33	$151.57	$2,316.90	$3,812.08	$14.00	$6,142.98
833	$2,167.91	$151.75	$2,319.67	$3,816.64	$14.00	$6,150.31
834	$2,170.50	$151.93	$2,322.43	$3,821.21	$14.00	$6,157.64
835	$2,173.08	$152.12	$2,325.20	$3,825.78	$14.00	$6,164.98
836	$2,175.67	$152.30	$2,327.96	$3,830.35	$14.00	$6,172.31
837	$2,178.25	$152.48	$2,330.73	$3,834.91	$14.00	$6,179.64
838	$2,180.84	$152.66	$2,333.49	$3,839.48	$14.00	$6,186.98
839	$2,183.42	$152.84	$2,336.26	$3,844.05	$14.00	$6,194.31
840	$2,186.00	$153.02	$2,339.02	$3,848.62	$14.00	$6,201.64
841	$2,188.59	$153.20	$2,341.79	$3,853.18	$14.00	$6,208.97
842	$2,191.17	$153.38	$2,344.55	$3,857.75	$14.00	$6,216.31
843	$2,193.76	$153.56	$2,347.32	$3,862.32	$14.00	$6,223.64
844	$2,196.34	$153.74	$2,350.09	$3,866.89	$14.00	$6,230.97
845	$2,198.93	$153.92	$2,352.85	$3,871.46	$14.00	$6,238.31
846	$2,201.51	$154.11	$2,355.62	$3,876.02	$14.00	$6,245.64
847	$2,204.09	$154.29	$2,358.38	$3,880.59	$14.00	$6,252.97

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
848	$2,206.68	$154.47	$2,361.15	$3,885.16	$14.00	$6,260.30
849	$2,209.26	$154.65	$2,363.91	$3,889.73	$14.00	$6,267.64
850	$2,211.85	$154.83	$2,366.68	$3,894.29	$14.00	$6,274.97
851	$2,214.43	$155.01	$2,369.44	$3,898.86	$14.00	$6,282.30
852	$2,217.02	$155.19	$2,372.21	$3,903.43	$14.00	$6,289.64
853	$2,219.60	$155.37	$2,374.97	$3,908.00	$14.00	$6,296.97
854	$2,222.18	$155.55	$2,377.74	$3,912.56	$14.00	$6,304.30
855	$2,224.77	$155.73	$2,380.50	$3,917.13	$14.00	$6,311.63
856	$2,227.35	$155.91	$2,383.27	$3,921.70	$14.00	$6,318.97
857	$2,229.94	$156.10	$2,386.03	$3,926.27	$14.00	$6,326.30
858	$2,232.52	$156.28	$2,388.80	$3,930.83	$14.00	$6,333.63
859	$2,235.11	$156.46	$2,391.56	$3,935.40	$14.00	$6,340.96
860	$2,237.69	$156.64	$2,394.33	$3,939.97	$14.00	$6,348.30
861	$2,240.27	$156.82	$2,397.09	$3,944.54	$14.00	$6,355.63
862	$2,242.86	$157.00	$2,399.86	$3,949.10	$14.00	$6,362.96
863	$2,245.44	$157.18	$2,402.62	$3,953.67	$14.00	$6,370.30
864	$2,248.03	$157.36	$2,405.39	$3,958.24	$14.00	$6,377.63
865	$2,250.61	$157.54	$2,408.15	$3,962.81	$14.00	$6,384.96
866	$2,253.20	$157.72	$2,410.92	$3,967.37	$14.00	$6,392.29
867	$2,255.78	$157.90	$2,413.68	$3,971.94	$14.00	$6,399.63
868	$2,258.36	$158.09	$2,416.45	$3,976.51	$14.00	$6,406.96
869	$2,260.95	$158.27	$2,419.22	$3,981.08	$14.00	$6,414.29
870	$2,263.53	$158.45	$2,421.98	$3,985.65	$14.00	$6,421.63
871	$2,266.12	$158.63	$2,424.75	$3,990.21	$14.00	$6,428.96
872	$2,268.70	$158.81	$2,427.51	$3,994.78	$14.00	$6,436.29
873	$2,271.29	$158.99	$2,430.28	$3,999.35	$14.00	$6,443.62
874	$2,273.87	$159.17	$2,433.04	$4,003.92	$14.00	$6,450.96
875	$2,276.45	$159.35	$2,435.81	$4,008.48	$14.00	$6,458.29
876	$2,279.04	$159.53	$2,438.57	$4,013.05	$14.00	$6,465.62
877	$2,281.62	$159.71	$2,441.34	$4,017.62	$14.00	$6,472.96
878	$2,284.21	$159.89	$2,444.10	$4,022.19	$14.00	$6,480.29
879	$2,286.79	$160.08	$2,446.87	$4,026.75	$14.00	$6,487.62
880	$2,289.38	$160.26	$2,449.63	$4,031.32	$14.00	$6,494.95
881	$2,291.96	$160.44	$2,452.40	$4,035.89	$14.00	$6,502.29
882	$2,294.54	$160.62	$2,455.16	$4,040.46	$14.00	$6,509.62
883	$2,297.13	$160.80	$2,457.93	$4,045.02	$14.00	$6,516.95
884	$2,299.71	$160.98	$2,460.69	$4,049.59	$14.00	$6,524.28
885	$2,302.30	$161.16	$2,463.46	$4,054.16	$14.00	$6,531.62
886	$2,304.88	$161.34	$2,466.22	$4,058.73	$14.00	$6,538.95
887	$2,307.47	$161.52	$2,468.99	$4,063.29	$14.00	$6,546.28
888	$2,310.05	$161.70	$2,471.75	$4,067.86	$14.00	$6,553.62
889	$2,312.63	$161.88	$2,474.52	$4,072.43	$14.00	$6,560.95
890	$2,315.22	$162.07	$2,477.28	$4,077.00	$14.00	$6,568.28
891	$2,317.80	$162.25	$2,480.05	$4,081.56	$14.00	$6,575.61
892	$2,320.39	$162.43	$2,482.81	$4,086.13	$14.00	$6,582.95
893	$2,322.97	$162.61	$2,485.58	$4,090.70	$14.00	$6,590.28
894	$2,325.56	$162.79	$2,488.35	$4,095.27	$14.00	$6,597.61

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+	*7%*	=	Water	Sewer	Garbage	Total
895	$2,328.14		$162.97		$2,491.11	$4,099.84	$14.00	$6,604.95
896	$2,330.72		$163.15		$2,493.88	$4,104.40	$14.00	$6,612.28
897	$2,333.31		$163.33		$2,496.64	$4,108.97	$14.00	$6,619.61
898	$2,335.89		$163.51		$2,499.41	$4,113.54	$14.00	$6,626.94
899	$2,338.48		$163.69		$2,502.17	$4,118.11	$14.00	$6,634.28
900	$2,341.06		$163.87		$2,504.94	$4,122.67	$14.00	$6,641.61
901	$2,343.65		$164.06		$2,507.70	$4,127.24	$14.00	$6,648.94
902	$2,346.23		$164.24		$2,510.47	$4,131.81	$14.00	$6,656.28
903	$2,348.81		$164.42		$2,513.23	$4,136.38	$14.00	$6,663.61
904	$2,351.40		$164.60		$2,516.00	$4,140.94	$14.00	$6,670.94
905	$2,353.98		$164.78		$2,518.76	$4,145.51	$14.00	$6,678.27
906	$2,356.57		$164.96		$2,521.53	$4,150.08	$14.00	$6,685.61
907	$2,359.15		$165.14		$2,524.29	$4,154.65	$14.00	$6,692.94
908	$2,361.74		$165.32		$2,527.06	$4,159.21	$14.00	$6,700.27
909	$2,364.32		$165.50		$2,529.82	$4,163.78	$14.00	$6,707.60
910	$2,366.90		$165.68		$2,532.59	$4,168.35	$14.00	$6,714.94
911	$2,369.49		$165.86		$2,535.35	$4,172.92	$14.00	$6,722.27
912	$2,372.07		$166.05		$2,538.12	$4,177.48	$14.00	$6,729.60
913	$2,374.66		$166.23		$2,540.88	$4,182.05	$14.00	$6,736.94
914	$2,377.24		$166.41		$2,543.65	$4,186.62	$14.00	$6,744.27
915	$2,379.83		$166.59		$2,546.41	$4,191.19	$14.00	$6,751.60
916	$2,382.41		$166.77		$2,549.18	$4,195.75	$14.00	$6,758.93
917	$2,385.00		$166.95		$2,551.94	$4,200.32	$14.00	$6,766.27
918	$2,387.58		$167.13		$2,554.71	$4,204.89	$14.00	$6,773.60
919	$2,390.16		$167.31		$2,557.48	$4,209.46	$14.00	$6,780.93
920	$2,392.75		$167.49		$2,560.24	$4,214.03	$14.00	$6,788.27
921	$2,395.33		$167.67		$2,563.01	$4,218.59	$14.00	$6,795.60
922	$2,397.92		$167.85		$2,565.77	$4,223.16	$14.00	$6,802.93
923	$2,400.50		$168.04		$2,568.54	$4,227.73	$14.00	$6,810.26
924	$2,403.09		$168.22		$2,571.30	$4,232.30	$14.00	$6,817.60
925	$2,405.67		$168.40		$2,574.07	$4,236.86	$14.00	$6,824.93
926	$2,408.25		$168.58		$2,576.83	$4,241.43	$14.00	$6,832.26
927	$2,410.84		$168.76		$2,579.60	$4,246.00	$14.00	$6,839.60
928	$2,413.42		$168.94		$2,582.36	$4,250.57	$14.00	$6,846.93
929	$2,416.01		$169.12		$2,585.13	$4,255.13	$14.00	$6,854.26
930	$2,418.59		$169.30		$2,587.89	$4,259.70	$14.00	$6,861.59
931	$2,421.18		$169.48		$2,590.66	$4,264.27	$14.00	$6,868.93
932	$2,423.76		$169.66		$2,593.42	$4,268.84	$14.00	$6,876.26
933	$2,426.34		$169.84		$2,596.19	$4,273.40	$14.00	$6,883.59
934	$2,428.93		$170.02		$2,598.95	$4,277.97	$14.00	$6,890.92
935	$2,431.51		$170.21		$2,601.72	$4,282.54	$14.00	$6,898.26
936	$2,434.10		$170.39		$2,604.48	$4,287.11	$14.00	$6,905.59
937	$2,436.68		$170.57		$2,607.25	$4,291.67	$14.00	$6,912.92
938	$2,439.27		$170.75		$2,610.01	$4,296.24	$14.00	$6,920.26
939	$2,441.85		$170.93		$2,612.78	$4,300.81	$14.00	$6,927.59
940	$2,444.43		$171.11		$2,615.54	$4,305.38	$14.00	$6,934.92
941	$2,447.02		$171.29		$2,618.31	$4,309.94	$14.00	$6,942.25

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
942	$2,449.60	$171.47	$2,621.07	$4,314.51	$14.00	$6,949.59
943	$2,452.19	$171.65	$2,623.84	$4,319.08	$14.00	$6,956.92
944	$2,454.77	$171.83	$2,626.61	$4,323.65	$14.00	$6,964.25
945	$2,457.36	$172.01	$2,629.37	$4,328.22	$14.00	$6,971.59
946	$2,459.94	$172.20	$2,632.14	$4,332.78	$14.00	$6,978.92
947	$2,462.52	$172.38	$2,634.90	$4,337.35	$14.00	$6,986.25
948	$2,465.11	$172.56	$2,637.67	$4,341.92	$14.00	$6,993.58
949	$2,467.69	$172.74	$2,640.43	$4,346.49	$14.00	$7,000.92
950	$2,470.28	$172.92	$2,643.20	$4,351.05	$14.00	$7,008.25
951	$2,472.86	$173.10	$2,645.96	$4,355.62	$14.00	$7,015.58
952	$2,475.45	$173.28	$2,648.73	$4,360.19	$14.00	$7,022.92
953	$2,478.03	$173.46	$2,651.49	$4,364.76	$14.00	$7,030.25
954	$2,480.61	$173.64	$2,654.26	$4,369.32	$14.00	$7,037.58
955	$2,483.20	$173.82	$2,657.02	$4,373.89	$14.00	$7,044.91
956	$2,485.78	$174.00	$2,659.79	$4,378.46	$14.00	$7,052.25
957	$2,488.37	$174.19	$2,662.55	$4,383.03	$14.00	$7,059.58
958	$2,490.95	$174.37	$2,665.32	$4,387.59	$14.00	$7,066.91
959	$2,493.54	$174.55	$2,668.08	$4,392.16	$14.00	$7,074.24
960	$2,496.12	$174.73	$2,670.85	$4,396.73	$14.00	$7,081.58
961	$2,498.70	$174.91	$2,673.61	$4,401.30	$14.00	$7,088.91
962	$2,501.29	$175.09	$2,676.38	$4,405.86	$14.00	$7,096.24
963	$2,503.87	$175.27	$2,679.14	$4,410.43	$14.00	$7,103.58
964	$2,506.46	$175.45	$2,681.91	$4,415.00	$14.00	$7,110.91
965	$2,509.04	$175.63	$2,684.67	$4,419.57	$14.00	$7,118.24
966	$2,511.63	$175.81	$2,687.44	$4,424.13	$14.00	$7,125.57
967	$2,514.21	$175.99	$2,690.20	$4,428.70	$14.00	$7,132.91
968	$2,516.79	$176.18	$2,692.97	$4,433.27	$14.00	$7,140.24
969	$2,519.38	$176.36	$2,695.74	$4,437.84	$14.00	$7,147.57
970	$2,521.96	$176.54	$2,698.50	$4,442.41	$14.00	$7,154.91
971	$2,524.55	$176.72	$2,701.27	$4,446.97	$14.00	$7,162.24
972	$2,527.13	$176.90	$2,704.03	$4,451.54	$14.00	$7,169.57
973	$2,529.72	$177.08	$2,706.80	$4,456.11	$14.00	$7,176.90
974	$2,532.30	$177.26	$2,709.56	$4,460.68	$14.00	$7,184.24
975	$2,534.88	$177.44	$2,712.33	$4,465.24	$14.00	$7,191.57
976	$2,537.47	$177.62	$2,715.09	$4,469.81	$14.00	$7,198.90
977	$2,540.05	$177.80	$2,717.86	$4,474.38	$14.00	$7,206.24
978	$2,542.64	$177.98	$2,720.62	$4,478.95	$14.00	$7,213.57
979	$2,545.22	$178.17	$2,723.39	$4,483.51	$14.00	$7,220.90
980	$2,547.81	$178.35	$2,726.15	$4,488.08	$14.00	$7,228.23
981	$2,550.39	$178.53	$2,728.92	$4,492.65	$14.00	$7,235.57
982	$2,552.97	$178.71	$2,731.68	$4,497.22	$14.00	$7,242.90
983	$2,555.56	$178.89	$2,734.45	$4,501.78	$14.00	$7,250.23
984	$2,558.14	$179.07	$2,737.21	$4,506.35	$14.00	$7,257.56
985	$2,560.73	$179.25	$2,739.98	$4,510.92	$14.00	$7,264.90
986	$2,563.31	$179.43	$2,742.74	$4,515.49	$14.00	$7,272.23
987	$2,565.90	$179.61	$2,745.51	$4,520.05	$14.00	$7,279.56
988	$2,568.48	$179.79	$2,748.27	$4,524.62	$14.00	$7,286.90

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+	*7%*	=	Water	Sewer	Garbage	Total
989	$2,571.06		$179.97		$2,751.04	$4,529.19	$14.00	$7,294.23
990	$2,573.65		$180.16		$2,753.80	$4,533.76	$14.00	$7,301.56
991	$2,576.23		$180.34		$2,756.57	$4,538.32	$14.00	$7,308.89
992	$2,578.82		$180.52		$2,759.33	$4,542.89	$14.00	$7,316.23
993	$2,581.40		$180.70		$2,762.10	$4,547.46	$14.00	$7,323.56
994	$2,583.99		$180.88		$2,764.87	$4,552.03	$14.00	$7,330.89
995	$2,586.57		$181.06		$2,767.63	$4,556.60	$14.00	$7,338.23
996	$2,589.15		$181.24		$2,770.40	$4,561.16	$14.00	$7,345.56
997	$2,591.74		$181.42		$2,773.16	$4,565.73	$14.00	$7,352.89
998	$2,594.32		$181.60		$2,775.93	$4,570.30	$14.00	$7,360.22
999	$2,596.91		$181.78		$2,778.69	$4,574.87	$14.00	$7,367.56
1000	$2,599.49		$181.96		$2,781.46	$4,579.43	$14.00	$7,374.89
1001	$2,602.08		$182.15		$2,784.22	$4,584.00	$14.00	$7,382.22
1002	$2,604.66		$182.33		$2,786.99	$4,588.57	$14.00	$7,389.56
1003	$2,607.24		$182.51		$2,789.75	$4,593.14	$14.00	$7,396.89
1004	$2,609.83		$182.69		$2,792.52	$4,597.70	$14.00	$7,404.22
1005	$2,612.41		$182.87		$2,795.28	$4,602.27	$14.00	$7,411.55
1006	$2,615.00		$183.05		$2,798.05	$4,606.84	$14.00	$7,418.89
1007	$2,617.58		$183.23		$2,800.81	$4,611.41	$14.00	$7,426.22
1008	$2,620.17		$183.41		$2,803.58	$4,615.97	$14.00	$7,433.55
1009	$2,622.75		$183.59		$2,806.34	$4,620.54	$14.00	$7,440.88
1010	$2,625.33		$183.77		$2,809.11	$4,625.11	$14.00	$7,448.22
1011	$2,627.92		$183.95		$2,811.87	$4,629.68	$14.00	$7,455.55
1012	$2,630.50		$184.14		$2,814.64	$4,634.24	$14.00	$7,462.88
1013	$2,633.09		$184.32		$2,817.40	$4,638.81	$14.00	$7,470.22
1014	$2,635.67		$184.50		$2,820.17	$4,643.38	$14.00	$7,477.55
1015	$2,638.26		$184.68		$2,822.93	$4,647.95	$14.00	$7,484.88
1016	$2,640.84		$184.86		$2,825.70	$4,652.51	$14.00	$7,492.21
1017	$2,643.42		$185.04		$2,828.46	$4,657.08	$14.00	$7,499.55
1018	$2,646.01		$185.22		$2,831.23	$4,661.65	$14.00	$7,506.88
1019	$2,648.59		$185.40		$2,834.00	$4,666.22	$14.00	$7,514.21
1020	$2,651.18		$185.58		$2,836.76	$4,670.79	$14.00	$7,521.55
1021	$2,653.76		$185.76		$2,839.53	$4,675.35	$14.00	$7,528.88
1022	$2,656.35		$185.94		$2,842.29	$4,679.92	$14.00	$7,536.21
1023	$2,658.93		$186.13		$2,845.06	$4,684.49	$14.00	$7,543.54
1024	$2,661.52		$186.31		$2,847.82	$4,689.06	$14.00	$7,550.88
1025	$2,664.10		$186.49		$2,850.59	$4,693.62	$14.00	$7,558.21
1026	$2,666.68		$186.67		$2,853.35	$4,698.19	$14.00	$7,565.54
1027	$2,669.27		$186.85		$2,856.12	$4,702.76	$14.00	$7,572.88
1028	$2,671.85		$187.03		$2,858.88	$4,707.33	$14.00	$7,580.21
1029	$2,674.44		$187.21		$2,861.65	$4,711.89	$14.00	$7,587.54
1030	$2,677.02		$187.39		$2,864.41	$4,716.46	$14.00	$7,594.87
1031	$2,679.61		$187.57		$2,867.18	$4,721.03	$14.00	$7,602.21
1032	$2,682.19		$187.75		$2,869.94	$4,725.60	$14.00	$7,609.54
1033	$2,684.77		$187.93		$2,872.71	$4,730.16	$14.00	$7,616.87
1034	$2,687.36		$188.12		$2,875.47	$4,734.73	$14.00	$7,624.20
1035	$2,689.94		$188.30		$2,878.24	$4,739.30	$14.00	$7,631.54

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	+ *7%*	= Water	Sewer	Garbage	Total
1036	$2,692.53	$188.48	$2,881.00	$4,743.87	$14.00	$7,638.87
1037	$2,695.11	$188.66	$2,883.77	$4,748.43	$14.00	$7,646.20
1038	$2,697.70	$188.84	$2,886.53	$4,753.00	$14.00	$7,653.54
1039	$2,700.28	$189.02	$2,889.30	$4,757.57	$14.00	$7,660.87
1040	$2,702.86	$189.20	$2,892.06	$4,762.14	$14.00	$7,668.20
1041	$2,705.45	$189.38	$2,894.83	$4,766.70	$14.00	$7,675.53
1042	$2,708.03	$189.56	$2,897.59	$4,771.27	$14.00	$7,682.87
1043	$2,710.62	$189.74	$2,900.36	$4,775.84	$14.00	$7,690.20
1044	$2,713.20	$189.92	$2,903.13	$4,780.41	$14.00	$7,697.53
1045	$2,715.79	$190.10	$2,905.89	$4,784.98	$14.00	$7,704.87
1046	$2,718.37	$190.29	$2,908.66	$4,789.54	$14.00	$7,712.20
1047	$2,720.95	$190.47	$2,911.42	$4,794.11	$14.00	$7,719.53
1048	$2,723.54	$190.65	$2,914.19	$4,798.68	$14.00	$7,726.86
1049	$2,726.12	$190.83	$2,916.95	$4,803.25	$14.00	$7,734.20
1050	$2,728.71	$191.01	$2,919.72	$4,807.81	$14.00	$7,741.53
1051	$2,731.29	$191.19	$2,922.48	$4,812.38	$14.00	$7,748.86
1052	$2,733.88	$191.37	$2,925.25	$4,816.95	$14.00	$7,756.19
1053	$2,736.46	$191.55	$2,928.01	$4,821.52	$14.00	$7,763.53
1054	$2,739.04	$191.73	$2,930.78	$4,826.08	$14.00	$7,770.86
1055	$2,741.63	$191.91	$2,933.54	$4,830.65	$14.00	$7,778.19
1056	$2,744.21	$192.09	$2,936.31	$4,835.22	$14.00	$7,785.53
1057	$2,746.80	$192.28	$2,939.07	$4,839.79	$14.00	$7,792.86
1058	$2,749.38	$192.46	$2,941.84	$4,844.35	$14.00	$7,800.19
1059	$2,751.97	$192.64	$2,944.60	$4,848.92	$14.00	$7,807.52
1060	$2,754.55	$192.82	$2,947.37	$4,853.49	$14.00	$7,814.86
1061	$2,757.13	$193.00	$2,950.13	$4,858.06	$14.00	$7,822.19
1062	$2,759.72	$193.18	$2,952.90	$4,862.62	$14.00	$7,829.52
1063	$2,762.30	$193.36	$2,955.66	$4,867.19	$14.00	$7,836.86
1064	$2,764.89	$193.54	$2,958.43	$4,871.76	$14.00	$7,844.19
1065	$2,767.47	$193.72	$2,961.19	$4,876.33	$14.00	$7,851.52
1066	$2,770.06	$193.90	$2,963.96	$4,880.89	$14.00	$7,858.85
1067	$2,772.64	$194.08	$2,966.72	$4,885.46	$14.00	$7,866.19
1068	$2,775.22	$194.27	$2,969.49	$4,890.03	$14.00	$7,873.52
1069	$2,777.81	$194.45	$2,972.26	$4,894.60	$14.00	$7,880.85
1070	$2,780.39	$194.63	$2,975.02	$4,899.17	$14.00	$7,888.19
1071	$2,782.98	$194.81	$2,977.79	$4,903.73	$14.00	$7,895.52
1072	$2,785.56	$194.99	$2,980.55	$4,908.30	$14.00	$7,902.85
1073	$2,788.15	$195.17	$2,983.32	$4,912.87	$14.00	$7,910.18
1074	$2,790.73	$195.35	$2,986.08	$4,917.44	$14.00	$7,917.52
1075	$2,793.31	$195.53	$2,988.85	$4,922.00	$14.00	$7,924.85
1076	$2,795.90	$195.71	$2,991.61	$4,926.57	$14.00	$7,932.18
1077	$2,798.48	$195.89	$2,994.38	$4,931.14	$14.00	$7,939.51
1078	$2,801.07	$196.07	$2,997.14	$4,935.71	$14.00	$7,946.85
1079	$2,803.65	$196.26	$2,999.91	$4,940.27	$14.00	$7,954.18
1080	$2,806.24	$196.44	$3,002.67	$4,944.84	$14.00	$7,961.51
1081	$2,808.82	$196.62	$3,005.44	$4,949.41	$14.00	$7,968.85
1082	$2,811.40	$196.80	$3,008.20	$4,953.98	$14.00	$7,976.18

COMMERCIAL MONTHLY BILLING CHARGES - Proposed 2018-2019

1000 Gallons	*Rate*	*+ 7% =*	Water	Sewer	Garbage	Total
1083	$2,813.99	$196.98	$3,010.97	$4,958.54	$14.00	$7,983.51
1084	$2,816.57	$197.16	$3,013.73	$4,963.11	$14.00	$7,990.84
1085	$2,819.16	$197.34	$3,016.50	$4,967.68	$14.00	$7,998.18
1086	$2,821.74	$197.52	$3,019.26	$4,972.25	$14.00	$8,005.51
1087	$2,824.33	$197.70	$3,022.03	$4,976.81	$14.00	$8,012.84
1088	$2,826.91	$197.88	$3,024.79	$4,981.38	$14.00	$8,020.18
1089	$2,829.49	$198.06	$3,027.56	$4,985.95	$14.00	$8,027.51
1090	$2,832.08	$198.25	$3,030.32	$4,990.52	$14.00	$8,034.84
1091	$2,834.66	$198.43	$3,033.09	$4,995.08	$14.00	$8,042.17
1092	$2,837.25	$198.61	$3,035.85	$4,999.65	$14.00	$8,049.51
1093	$2,839.83	$198.79	$3,038.62	$5,004.22	$14.00	$8,056.84
1094	$2,842.42	$198.97	$3,041.39	$5,008.79	$14.00	$8,064.17
1095	$2,845.00	$199.15	$3,044.15	$5,013.35	$14.00	$8,071.51
1096	$2,847.58	$199.33	$3,046.92	$5,017.92	$14.00	$8,078.84
1097	$2,850.17	$199.51	$3,049.68	$5,022.49	$14.00	$8,086.17
1098	$2,852.75	$199.69	$3,052.45	$5,027.06	$14.00	$8,093.50
1099	$2,855.34	$199.87	$3,055.21	$5,031.63	$14.00	$8,100.84
1100	$2,857.92	$200.05	$3,057.98	$5,036.19	$14.00	$8,108.17

WATER & SEWER RATES OUTSIDE CITY Proposed 2018-2019			
1000 GALLONS	**WATER**	**SEWER**	**TOTAL**
0	$17.75	$17.75	$35.49
1	$17.75	$24.40	$42.15
2	$17.75	$31.07	$48.82
3	$17.75	$37.72	$55.47
4	$21.64	$44.39	$66.03
5	$25.54	$51.04	$76.58
6	$29.43	$57.70	$87.13
7	$33.33	$64.36	$97.70
8	$37.23	$71.03	$108.25
9	$41.12	$77.69	$118.81
10	$45.01	$84.34	$129.36
11	$48.91	$91.00	$139.91
12	$52.81	$97.67	$150.48
13	$56.71	$984.88	$1,041.58
14	$60.60	$110.99	$171.59
15	$64.49	$117.64	$182.14
16	$68.39	$124.31	$192.69
17	$72.29	$130.97	$203.26
18	$76.18	$137.63	$213.81
19	$80.08	$144.28	$224.36
20	$83.97	$150.94	$234.92
21	$87.86	$157.61	$245.47
22	$91.77	$164.27	$256.04
23	$95.66	$170.93	$266.59
24	$99.55	$177.58	$277.14
25	$103.45	$184.25	$287.69
26	$107.34	$190.91	$298.25
27	$111.25	$197.57	$308.82
28	$115.14	$204.23	$319.37
29	$119.03	$210.89	$329.92
30	$122.93	$217.55	$340.47
31	$126.82	$224.21	$351.03
32	$130.72	$230.87	$361.60
33	$134.62	$237.52	$372.14
34	$138.51	$244.19	$382.70
35	$142.40	$250.85	$393.25
36	$146.30	$257.51	$403.81
37	$150.20	$264.17	$414.38
38	$154.10	$270.83	$424.92
39	$157.99	$277.49	$435.48
40	$161.88	$284.15	$446.03
41	$165.78	$290.81	$456.59
42	$169.67	$297.48	$467.15
43	$173.57	$304.13	$477.70
44	$177.47	$310.79	$488.26
45	$181.36	$317.45	$498.81
46	$185.25	$324.12	$509.37
47	$189.15	$330.77	$519.92
48	$193.05	$337.43	$530.48
49	$196.95	$344.09	$541.04
50	$200.84	$350.75	$551.59
51	$204.73	$357.42	$562.15
52	$208.63	$364.07	$572.70
53	$212.53	$370.73	$583.26
54	$216.42	$377.39	$593.82
55	$220.32	$384.06	$604.37
56	$224.21	$390.72	$614.93
57	$228.10	$397.37	$625.47

58	$232.01	$404.03	$636.04
59	$235.90	$410.70	$646.60
60	$239.80	$417.36	$657.15
61	$243.69	$424.01	$667.70
62	$247.58	$430.67	$678.25
63	$251.49	$437.33	$688.82
64	$255.38	$444.00	$699.38
65	$259.27	$450.66	$709.93
66	$263.17	$457.31	$720.48
67	$267.06	$463.97	$731.03
68	$270.96	$470.64	$741.60
69	$274.86	$477.30	$752.16
70	$278.75	$483.95	$762.70
71	$282.64	$490.61	$773.26
72	$286.54	$497.28	$783.81
73	$290.44	$503.94	$794.38
74	$294.34	$510.60	$804.94
75	$298.23	$517.25	$815.48
76	$302.12	$523.91	$826.04
77	$306.02	$530.58	$836.59
78	$309.92	$537.24	$847.16
79	$313.81	$543.90	$857.72
80	$317.71	$550.55	$868.26
81	$321.60	$557.22	$878.82
82	$325.49	$563.88	$889.37
83	$329.39	$570.54	$899.93
84	$333.29	$577.19	$910.49
85	$337.19	$583.86	$921.04
86	$341.08	$590.52	$931.60
87	$344.97	$597.18	$942.15
88	$348.87	$603.84	$952.71
89	$352.77	$610.49	$963.27
90	$356.66	$617.16	$973.82
91	$360.56	$623.82	$984.38
92	$364.45	$630.48	$994.93
93	$368.34	$637.14	$1,005.49
94	$372.25	$643.80	$1,016.05
95	$376.14	$650.46	$1,026.60
96	$380.04	$657.12	$1,037.16
97	$383.93	$663.78	$1,047.71
98	$387.82	$670.44	$1,058.26
99	$391.73	$677.10	$1,068.82
100	$395.62	$683.76	$1,079.38
101	$399.51	$690.42	$1,089.94
102	$403.41	$697.09	$1,100.49
103	$407.30	$703.74	$1,111.04
104	$411.20	$710.40	$1,121.60
105	$415.10	$717.06	$1,132.16
106	$418.99	$723.72	$1,142.72
107	$422.89	$730.39	$1,153.27
108	$426.78	$737.04	$1,163.82
109	$430.68	$743.70	$1,174.38
110	$434.58	$750.36	$1,184.94
111	$438.47	$757.03	$1,195.50
112	$442.36	$763.68	$1,206.04
113	$446.26	$770.34	$1,216.60
114	$450.16	$777.00	$1,227.16
115	$454.05	$783.67	$1,237.72
116	$457.95	$790.33	$1,248.28
117	$461.84	$796.98	$1,258.82
118	$465.74	$803.64	$1,269.38
119	$469.64	$810.30	$1,279.94

120	$473.53	$816.97	$1,290.50
121	$477.43	$823.63	$1,301.06
122	$481.32	$830.28	$1,311.60
123	$485.21	$836.94	$1,322.16
124	$489.11	$843.61	$1,332.71
125	$493.01	$850.27	$1,343.28
126	$496.90	$856.92	$1,353.83
127	$500.80	$863.58	$1,364.38
128	$504.69	$870.25	$1,374.94
129	$508.58	$876.91	$1,385.49
130	$512.49	$883.57	$1,396.06
131	$516.38	$890.22	$1,406.60
132	$520.28	$896.88	$1,417.16
133	$524.17	$903.55	$1,427.72
134	$528.06	$910.21	$1,438.27
135	$531.97	$916.87	$1,448.84
136	$535.86	$923.52	$1,459.38
137	$539.75	$930.19	$1,469.94
138	$543.65	$936.85	$1,480.50
139	$547.54	$943.51	$1,491.05
140	$551.45	$950.16	$1,501.61
141	$555.34	$956.83	$1,512.16
142	$559.23	$963.49	$1,522.72
143	$563.13	$970.15	$1,533.28
144	$567.02	$976.81	$1,543.83
145	$570.92	$983.46	$1,554.39
146	$574.82	$990.13	$1,564.94
147	$578.71	$996.79	$1,575.50
148	$582.60	$1,003.45	$1,586.06
149	$586.50	$1,010.11	$1,596.61
150	$590.40	$1,016.77	$1,607.17
151	$594.29	$1,023.43	$1,617.72
152	$598.19	$1,030.09	$1,628.28
153	$602.08	$1,036.75	$1,638.84
154	$605.98	$1,043.41	$1,649.38
155	$609.88	$1,050.07	$1,659.95
156	$613.77	$1,056.73	$1,670.50
157	$617.67	$1,063.39	$1,681.06
158	$621.56	$1,070.06	$1,691.62
159	$625.45	$1,076.71	$1,702.16
160	$629.36	$1,083.37	$1,712.73
161	$633.25	$1,090.03	$1,723.28
162	$637.14	$1,096.69	$1,733.84
163	$641.04	$1,103.36	$1,744.40
164	$644.93	$1,110.01	$1,754.94
165	$648.83	$1,116.67	$1,765.50
166	$652.73	$1,123.33	$1,776.06
167	$656.62	$1,130.00	$1,786.62
168	$660.52	$1,136.65	$1,797.16
169	$664.41	$1,143.31	$1,807.72
170	$668.30	$1,149.97	$1,818.28
171	$672.21	$1,156.64	$1,828.84
172	$676.10	$1,163.30	$1,839.40
173	$679.99	$1,169.95	$1,849.94
174	$683.89	$1,176.61	$1,860.50
175	$687.78	$1,183.27	$1,871.06
176	$691.69	$1,189.94	$1,881.62
177	$695.58	$1,196.59	$1,892.17
178	$699.47	$1,203.25	$1,902.72
179	$703.37	$1,209.91	$1,913.28
180	$707.26	$1,216.58	$1,923.84
181	$711.16	$1,223.24	$1,934.40

182	$715.06	$1,229.89	$1,944.95
183	$718.95	$1,236.55	$1,955.50
184	$722.84	$1,243.22	$1,966.06
185	$726.74	$1,249.88	$1,976.62
186	$730.64	$1,256.54	$1,987.18
187	$734.54	$1,263.19	$1,997.73
188	$738.43	$1,269.85	$2,008.28
189	$742.32	$1,276.52	$2,018.84
190	$746.22	$1,283.18	$2,029.40
191	$750.12	$1,289.83	$2,039.95
192	$754.01	$1,296.49	$2,050.51
193	$757.91	$1,303.16	$2,061.06
194	$761.80	$1,309.82	$2,071.62
195	$765.69	$1,316.48	$2,082.18
196	$769.60	$1,323.13	$2,092.73
197	$773.49	$1,329.80	$2,103.29
198	$777.39	$1,336.46	$2,113.84
199	$781.28	$1,343.12	$2,124.40
200	$785.17	$1,349.78	$2,134.96

APPENDIX F

BUDGET BREAKDOWN

CITY OF OCEAN SPRINGS
LOAN PAYMENT SCHEDULE
2016-2017

NAME	Loan	Interest	Start Date	Maturity	Monthly	Principal	Interest	10/01/16	09/30/17
State Revolving Loan Loan DWI-H280035-03 400-800-800 400-800-810	1,943,294.00	1.95%	April 2010	Nov 2029	$ 9,920.50	$ 92,936.29	$ 26,109.71	$ 1,381,405.69	$ 1,288,469.40
MS Dev Auth Cap #2 Civic Center/Halstead Water Tanks Loan 0-282-CP-01 400-800-800 400-800-810	273,115.00	3%	Oct. 2001	Sept. 2021	$ 1,514.68	$ 15,864.17	$ 2,311.99	$ 84,297.96	$ 69,774.03
State Revolving Loan - Water deduct from Sales Tax DWI-H280035-01-3 400-800-800 400-800-810	634,072.00	3%	May 2001	Feb 2023	$ 3,549.06	$ 37,827.07	$ 4,761.65	$ 175,965.63	$ 138,138.56
Drinking Water Sys Improvement DWI-H280035-02-0 deduct from Sales Tax 400-800-800 400-800-810	1,054,818.00	3.5%	July 2004	April 2026	$ 6,171.05	$ 53,834.60	$ 20,218.00	$ 602,175.56	$ 548,340.96
MS Development Authority Loan 9-282-CP-01 400-800-800 400-800-810	500,000.00	3%	April 2001	March 2021	$ 2,772.97	$ 29,481.36	$ 3,794.28	$ 139,914.66	$ 110,433.30
State Revolving Loan Loan DWI-H280035-04 400-800-800 400-800-810	1,029,345.00	1.95%	Dec 2008	Aug 2028	$ 5,236.61	$ 50,266.61	$ 12,572.71	$ 677,712.51	$ 617,445.90
MS Development Authority Loan 0466 400-800-800 400-800-810	$ 328,752.00	2%	Sept 2010	Dec 2027	$ 1,871.60	$ 18,102.72	$ 4,356.48	$ 227,582.46	$ 209,509.86
State Revolving Loan Loan DWI-H280035-05 400-800-800 400-800-810	835,711.00	1.95%	Nov 2008	May 2028	$ 4,281.20	$ 41,296.21	$ 10,078.19	$ 535,690.89	$ 494,394.68
						$ 339,609.03	**$ 84,203.01**		

NAME	Loan	Interest	Start Date	Maturity	Monthly	Principal	Interest	10/01/16	09/30/17
State Revolving Loan - Sewer deduct from Sales Tax SRF-C280752-01-3 410-800-800 410-800-810	1,100,100.00	4.5%	June 1998	Jan 2018	$ 8,077.00	$ 93,196.42	$ 3,727.58	$ 125,203.83	$ 32,007.41
Water Pollution Control Emergency Deduct from Sales Tax SRF-C280752-02-2 410-800-800 410-800-810	1,059,133.00	2%	Apr. 2013	Dec. 2032	$ 5,288.82	$ 48,151.95	$ 15,313.89	$ 897,080.37	$ 848,928.42
						$ 141,348.37	**$ 19,041.47**		

Budgeted Revenue & Expenditures w/Encumbrances
2016 - 2017 Fiscal Year through March

Obj.	Description	Adjusted to Date	Encumbrance	Total	Annual Budget	Prorated Budget	50.00 Percent to Date	Unencumbered Balance
400-000	WATER FUND	ALL						
340	INTEREST EARNED							
360	METERED SALES	748,020.99		748,020.99	2,272,000.00	1,136,000.00	32.9	
361	OTHER SALES	19,769.00		19,769.00	80,000.00	40,000.00	24.7	
362	SERVICE CONNECTION CHARGES	23,629.79		23,629.79	60,000.00	30,000.00	39.3	
364	PENALTIES & LATE CHARGES	21,906.98		21,906.98	65,000.00	32,500.00	33.7	
394	SALE OF ASSETS							
397	BEGINNING CASH BALANCE				1,034,580.00	517,290.00		
399	OTHER INCOME	12,583.00		12,583.00	22,000.00	11,000.00	57.1*	
300 - 399	REVENUES	825,909.76		825,909.76	3,533,580.00	1,766,790.00	23.3	
	DEPT REVENUE TOTALS	825,909.76		825,909.76	3,533,580.00	1,766,790.00	23.3	
	DEPT DISBURSEMENT TOTALS							
400-650	WATER FUND	UTILITY BILLING & COLLECTION						
420	SALARIES	81,604.80		81,604.80	169,955.55	84,977.77	48.0	88,350.75
445	OVERTIME PAY	2,923.73		2,923.73	6,000.00	3,000.00	48.7	3,076.27
448	PERSONAL (TERMINAL) PAY							
449	COMP (TERMINAL) PAY							
460	STATE RETIREMENT-CITY'S SHARE	13,313.28		13,313.28	27,713.00	13,856.50	48.0	14,399.72
470	FICA TAXES - CITY'S SHARE	6,111.83		6,111.83	13,460.60	6,730.30	45.4	7,348.77
480	EMPLOYEE GROUP INSURANCE	17,563.40		17,563.40	35,348.16	17,674.08	49.6	17,784.76
491	WORKERS' COMPENSATION	4,033.43		4,033.43	4,033.43	2,016.71	100.0*	
400 - 499	PERSONAL SERVICES	125,550.47		125,550.47	256,510.74	128,255.36	48.9	130,960.27
500	OFFICE SUPPLIES	2,743.17	164.37	2,907.54	6,500.00	3,250.00	44.7	3,592.46
501	OFFICE FURNITURE & EQUIPMENT	179.99		179.99				-179.99
525	GAS AND OIL	2,486.03	21.95	2,507.98	6,000.00	3,000.00	41.7	3,492.02
549	SMALL TOOLS & EQUIPMENT	302.80	324.61	627.41	1,500.00	750.00	41.8	872.59
560	MATERIALS & SUPPLIES	901.00	29.85	930.85	1,500.00	750.00	62.0*	569.15
590	TIRES AND TUBES		732.42	732.42	1,000.00	500.00	73.2*	267.58
599	REPAIR PARTS & SUPPLIES				500.00	250.00		500.00
500 - 599	CONTRACTUAL SERVICES	6,612.99	1,273.20	7,886.19	17,000.00	8,500.00	46.3	9,113.81
600	CONTRACTUAL SERVICES	11,347.31		11,347.31	30,380.00	15,190.00	37.3	19,032.69
602	COMPUTER SOFTWARE & SUPPORT	2,822.76	1,058.19	3,880.95	2,500.00	1,250.00	155.2*	-1,380.95
605	TELEPHONE	2,850.46		2,850.46	6,500.00	3,250.00	43.8	3,649.54
606	POSTAGE	13,240.49	80.00	13,320.49	43,205.25	21,602.62	30.8	29,884.76
635	GENERAL REPAIRS & MAINTENANCE	373.26	276.30	649.56	2,000.00	1,000.00	32.4	1,350.44
655	WATER METERS AND REPLACEMENT	28,329.97	15,120.00	43,449.97	54,400.00	27,200.00	79.8*	10,950.03
688	DUES/MEMBERSHIPS/SUBSCRIPTIONS	30.00		30.00	600.00	300.00	5.0	570.00

Budgeted Revenue & Expenditures w/Encumbrances
2016 - 2017 Fiscal Year through March

Obj.	Description	Adjusted to Date	Encumbrance	Total	Annual Budget	Prorated Budget	50.00 Percent to Date	Unencumbered Balance
400-650 WATER FUND	UTILITY BILLING & COLLECTION							
695	UNIFORM ALLOWANCES & SERVICE	549.04	111.98	661.02	1,839.32	919.66	35.9	1,178.30
698	CASH OVER/SHORT	-26.35		-26.35				26.35
699	OTHER SERVICES & CHARGES	184.94	74.94	259.88	250.00	125.00	103.9*	-9.88
600 - 699	CONSUMABLE SUPPLIES	59,701.88	16,721.41	76,423.29	141,674.57	70,837.28	53.9*	65,251.28
730	MACHINERY & EQUIPMENT							
700 - 799	GRANTS & SUBSIDIES							
	DEPT REVENUE TOTALS							
	DEPT DISBURSEMENT TOTALS	191,865.34	17,994.61	209,859.95	415,185.31	207,592.64	50.5*	205,325.36
400-677 WATER FUND	UTILITY OPERATIONS							
420	SALARIES	99,415.20		99,415.20	215,738.02	107,869.01	46.0	116,322.82
429	FESTIVAL OVERTIME							
445	OVERTIME PAY	12,488.83		12,488.83	18,000.00	9,000.00	69.3*	5,511.17
448	PERSONAL (TERMINAL) PAY							
449	COMP (TERMINAL) PAY							
460	STATE RETIREMENT-CITY'S SHARE	17,624.92		17,624.92	36,813.74	18,406.87	47.8	19,188.82
470	FICA TAXES - CITY'S SHARE	8,345.10		8,345.10	17,880.96	8,940.48	46.6	9,535.86
480	EMPLOYEE GROUP INSURANCE	15,830.52		15,830.52	36,856.68	18,428.34	42.9	21,026.16
491	WORKERS' COMPENSATION	6,495.15		6,495.15	6,495.15	3,247.57	100.0*	
400 - 499	PERSONAL SERVICES	160,199.72		160,199.72	331,784.55	165,892.27	48.2	171,584.83
525	GAS AND OIL	9,903.44	1,064.41	10,967.85	20,000.00	10,000.00	54.8*	9,032.15
541	CHEMICALS	7,941.00	18,000.00	25,941.00	30,601.00	15,300.50	84.7*	4,660.00
549	SMALL TOOLS & EQUIPMENT	3,656.85		3,656.85	5,170.98	2,585.49	70.7*	1,514.13
560	MATERIALS & SUPPLIES	1,722.90	475.19	2,198.09	2,650.58	1,325.29	82.9*	452.49
575	UTILITY SYSTEMS PARTS & SPLYS	65,228.91	12,082.16	77,311.07	112,895.00	56,447.50	68.4*	35,583.93
590	TIRES AND TUBES	784.96		784.96	3,284.96	1,642.48	23.8	2,500.00
599	REPAIR PARTS & SUPPLIES	2,710.40	730.85	3,441.25	19,541.40	9,770.70	17.6	16,100.15
500 - 599	CONTRACTUAL SERVICES	91,948.46	32,352.61	124,301.07	194,143.92	97,071.96	64.0*	69,842.85
600	CONTRACTUAL SERVICES	5,400.00		5,400.00	15,000.00	7,500.00	36.0	9,600.00
601	ENGINEER PROFESSIONAL SERVICES	25,004.78		25,004.78	65,965.20	32,982.60	37.9	40,960.42
605	TELEPHONE	1,695.62		1,695.62	4,200.00	2,100.00	40.3	2,504.38
610	TRAVEL/TRAINING/SEMINARS	891.74	37.50	929.24	5,000.00	2,500.00	18.5	4,070.76
630	UTILITIES	50,651.16		50,651.16	125,000.00	62,500.00	40.5	74,348.84
635	GENERAL REPAIRS & MAINTENANCE	39,602.88	34,720.69	74,323.57	100,189.81	50,094.90	74.1*	25,866.24
640	RENTALS							

Budgeted Revenue & Expenditures w/Encumbrances
2016 - 2017 Fiscal Year through March

Obj.	Description	Adjusted to Date	Encumbrance	Total	Annual Budget	Prorated Budget	50.00 Percent to Date	Unencumbered Balance
400-677 WATER FUND	UTILITY OPERATIONS							
641	CSX EASEMENTS	100.00		100.00	3,000.00	1,500.00	3.3	2,900.00
680	WATER SERVICE JCUA	37,807.87		37,807.87	130,000.00	65,000.00	29.0	92,192.13
688	DUES/MEMBERSHIPS/SUBSCRIPTIONS				3,000.00	1,500.00		3,000.00
695	UNIFORM ALLOWANCES & SERVICE	1,275.98		1,275.98	3,568.91	1,784.45	35.7	2,292.93
699	OTHER SERVICES & CHARGES							
600 - 699	CONSUMABLE SUPPLIES	162,430.03	34,758.19	197,188.22	454,923.92	227,461.95	43.3	257,735.70
720	IMPROVEMENTS OTHER THAN BLDGS							
726	WATER EXTENSIONS	185.00		185.00	60,000.00	30,000.00	.3	59,815.00
728	WATER SYSTEM IMPROVEMENTS	94,456.90	23,837.00	118,293.90	145,701.00	72,850.50	81.1*	27,407.10
730	MACHINERY & EQUIPMENT	24,466.27		24,466.27	84,736.28	42,368.14	28.8	60,270.01
736	RESTORE ACT ENGINEERING							
700 - 799	GRANTS & SUBSIDIES	119,108.17	23,837.00	142,945.17	290,437.28	145,218.64	49.2	147,492.11
	DEPT REVENUE TOTALS							
	DEPT DISBURSEMENT TOTALS	533,686.38	90,947.80	624,634.18	1,271,289.67	635,644.82	49.1	646,655.49
400-800 WATER FUND	DEBT SERVICE							
800	PRINCIPAL	144,613.80		144,613.80	339,609.03	169,804.51	42.5	194,995.23
810	INTEREST	28,916.30		28,916.30	84,203.01	42,101.50	34.3	55,286.71
840	PAYING AGENT FEES							
800 - 899	DEBT SERVICE	173,530.10		173,530.10	423,812.04	211,906.01	40.9	250,281.94
	DEPT REVENUE TOTALS							
	DEPT DISBURSEMENT TOTALS	173,530.10		173,530.10	423,812.04	211,906.01	40.9	250,281.94
400-999 WATER FUND	TRANSFER TO OTHER FUNDS							
900	TRANSFER TO OTHER FUNDS				223,292.00	111,646.00		223,292.00
901	TRF TO GENERAL FUND				200,000.00	100,000.00		200,000.00
955	ENDING CASH BALANCE				1,000,000.98	500,000.49		1,000,000.98
900 - 999	CAPITAL OUTLAY & OTHER				1,423,292.98	711,646.49		1,423,292.98
	DEPT REVENUE TOTALS							
	DEPT DISBURSEMENT TOTALS				1,423,292.98	711,646.49		1,423,292.98
	FUND REVENUE TOTALS	825,909.76		825,909.76	3,533,580.00	1,766,790.00	23.3	
	FUND DISBURSEMENT TOTALS	899,081.82	108,942.41	1,008,024.23	3,533,580.00	1,766,789.96	28.5	2,525,555.77
	REPT REVENUE TOTALS	825,909.76		825,909.76	3,533,580.00	1,766,790.00	23.3	
	REPT DISBURSEMENT TOTALS	899,081.82	108,942.41	1,008,024.23	3,533,580.00	1,766,789.96	28.5	2,525,555.77

Budgeted Revenue & Expenditures w/Encumbrances
2016 - 2017 Fiscal Year through March

Obj.	Description	Adjusted to Date	Encumbrance	Total	Annual Budget	Prorated Budget	50.00 Percent to Date	Unencumbered Balance
410-000	SEWER	ALL						
283	SECTION 592 SEWER REHAB				600,099.36	300,049.68		
200 - 299	REVENUES				600,099.36	300,049.68		
340	INTEREST EARNED							
362	SERVICE CONNECTION CHARGES	14,826.66		14,826.66	55,000.00	27,500.00	26.9	
363	SEWER CHARGES	1,016,412.48		1,016,412.48	3,151,000.00	1,575,500.00	32.2	
364	PENALTIES & LATE CHARGES	32,435.74		32,435.74	98,000.00	49,000.00	33.0	
382	TRANSFER FROM FUND 400				223,292.00	111,646.00		
394	SALE OF ASSETS							
397	BEGINNING CASH BALANCE				-262,668.00	-131,334.00		
399	OTHER INCOME				1,000.00	500.00		
300 - 399	REVENUES	1,063,674.88		1,063,674.88	3,265,624.00	1,632,812.00	32.5	
	DEPT REVENUE TOTALS	1,063,674.88		1,063,674.88	3,865,723.36	1,932,861.68	27.5	
	DEPT DISBURSEMENT TOTALS							
410-650	SEWER	UTILITY BILLING & COLLECTION						
420	SALARIES							
445	OVERTIME PAY							
449	COMP (TERMINAL) PAY							
460	STATE RETIREMENT-CITY'S SHARE							
470	FICA TAXES - CITY'S SHARE							
480	EMPLOYEE GROUP INSURANCE							
491	WORKERS' COMPENSATION							
400 - 499	PERSONAL SERVICES							
501	OFFICE FURNITURE & EQUIPMENT							
525	GAS AND OIL				500.00	250.00		500.00
560	MATERIALS & SUPPLIES				500.00	250.00		500.00
500 - 599	CONTRACTUAL SERVICES				1,000.00	500.00		1,000.00
600	CONTRACTUAL SERVICES	21,184.00		21,184.00	11,000.00	5,500.00	192.5*	-10,184.00
602	COMPUTER SOFTWARE & SUPPORT				1,000.00	500.00		1,000.00
606	POSTAGE	13,034.89		13,034.89	38,205.25	19,102.62	34.1	25,170.36
635	GENERAL REPAIRS & MAINTENANCE				5,000.00	2,500.00		5,000.00
600 - 699	CONSUMABLE SUPPLIES	34,218.89		34,218.89	55,205.25	27,602.62	61.9*	20,986.36
730	MACHINERY & EQUIPMENT							

Budgeted Revenue & Expenditures w/Encumbrances
2016 - 2017 Fiscal Year through March

Obj.	Description	Adjusted to Date	Encumbrance	Total	Annual Budget	Prorated Budget	50.00 Percent to Date	Unencumbered Balance
410-650 SEWER	UTILITY BILLING & COLLECTION							
700 - 799	GRANTS & SUBSIDIES							
DEPT REVENUE TOTALS								
DEPT DISBURSEMENT TOTALS		34,218.89		34,218.89	56,205.25	28,102.62	60.8*	21,986.36
410-677 SEWER	UTILITY OPERATIONS							
420	SALARIES	111,394.40		111,394.40	242,602.67	121,301.33	45.9	131,208.27
429	FESTIVAL OVERTIME	989.34		989.34				-989.34
445	OVERTIME PAY	2,283.59		2,283.59	10,000.00	5,000.00	22.8	7,716.41
448	PERSONAL (TERMINAL) PAY	728.13		728.13				-728.13
449	COMP (TERMINAL) PAY							
460	STATE RETIREMENT-CITY'S SHARE	18,174.73		18,174.73	39,784.92	19,892.46	45.6	21,610.19
470	FICA TAXES - CITY'S SHARE	8,453.80		8,453.80	19,324.10	9,662.05	43.7	10,870.30
480	EMPLOYEE GROUP INSURANCE	23,642.36		23,642.36	51,818.52	25,909.26	45.6	28,176.16
491	WORKERS' COMPENSATION	9,828.31		9,828.31	9,828.31	4,914.15	100.0*	
400 - 499	PERSONAL SERVICES	175,494.66		175,494.66	373,358.52	186,679.25	47.0	197,863.86
525	GAS AND OIL	2,374.24	3,238.37	5,612.61	10,000.00	5,000.00	56.1*	4,387.39
541	CHEMICALS	31,170.04	60,066.22	91,236.26	73,340.12	36,670.06	124.4*	-17,896.14
549	SMALL TOOLS & EQUIPMENT				3,300.00	1,650.00		3,300.00
560	MATERIALS & SUPPLIES	1,205.07	15.00	1,220.07	2,218.57	1,109.28	54.9*	998.50
575	UTILITY SYSTEMS PARTS & SPLYS	31,453.35	11,611.85	43,065.20	67,177.16	33,588.58	64.1*	24,111.96
590	TIRES AND TUBES	565.05		565.05	3,000.00	1,500.00	18.8	2,434.95
599	REPAIR PARTS & SUPPLIES	4,140.39	1,455.81	5,596.20	21,085.22	10,542.61	26.5	15,489.02
500 - 599	CONTRACTUAL SERVICES	70,908.14	76,387.25	147,295.39	180,121.07	90,060.53	81.7*	32,825.68
600	CONTRACTUAL SERVICES	5,400.00		5,400.00	13,000.00	6,500.00	41.5	7,600.00
601	ENGINEER PROFESSIONAL SERVICES	27,457.66		27,457.66	55,902.02	27,951.01	49.1	28,444.36
605	TELEPHONE	368.59		368.59	3,000.00	1,500.00	12.2	2,631.41
610	TRAVEL/TRAINING/SEMINARS	984.74		984.74	5,000.00	2,500.00	19.6	4,015.26
630	UTILITIES	47,283.23		47,283.23	118,000.00	59,000.00	40.0	70,716.77
635	GENERAL REPAIRS & MAINTENANCE	43,400.16	15,104.69	58,504.85	80,060.00	40,030.00	73.0*	21,555.15
640	RENTALS							
641	CSX EASEMENTS	1,188.73		1,188.73	1,300.00	650.00	91.4*	111.27
680	WATER SERVICE JCUA	830,123.84		830,123.84	2,036,000.00	1,018,000.00	40.7	1,205,876.16
688	DUES/MEMBERSHIPS/SUBSCRIPTIONS				1,000.00	500.00		1,000.00
695	UNIFORM ALLOWANCES & SERVICE	1,217.48		1,217.48	4,157.41	2,078.70	29.2	2,939.93
699	OTHER SERVICES & CHARGES							
600 - 699	CONSUMABLE SUPPLIES	957,424.43	15,104.69	972,529.12	2,317,419.43	1,158,709.71	41.9	1,344,890.31

Budgeted Revenue & Expenditures w/Encumbrances
2016 - 2017 Fiscal Year through March

Obj.	Description	Adjusted to Date	Encumbrance	Total	Annual Budget	Prorated Budget	50.00 Percent to Date	Unencumbered Balance
410-677 SEWER	UTILITY OPERATIONS							
717	SEWER EXTENSIONS							
718	SEWER IMPROVEMENTS	73,471.04	8,329.00	81,800.04	316,743.34	158,371.67	25.8	234,943.30
730	MACHINERY & EQUIPMENT	11,810.29		11,810.29	57,561.29	28,780.64	20.5	45,751.00
736	RESTORE ACT ENGINEERING	7,197.85		7,197.85	27,450.00	13,725.00	26.2	20,252.15
759	CDBG-DEQ WATER SEWER							
790	SECTION 592 SEWER REHAB	33,429.13	1,855.00	35,284.13	42,039.89	21,019.94	83.9*	6,755.76
700 - 799	GRANTS & SUBSIDIES	125,908.31	10,184.00	136,092.31	443,794.52	221,897.25	30.6	307,702.21
DEPT REVENUE TOTALS								
DEPT DISBURSEMENT TOTALS		1,329,735.54	101,675.94	1,431,411.48	3,314,693.54	1,657,346.74	43.1	1,883,282.06
410-800 SEWER	DEBT SERVICE							
800	PRINCIPAL	58,464.55		58,464.55	141,348.00	70,674.00	41.3	82,883.45
810	INTEREST	17,582.05		17,582.05	19,042.00	9,521.00	92.3*	1,459.95
800 - 899	DEBT SERVICE	76,046.60		76,046.60	160,390.00	80,195.00	47.4	84,343.40
DEPT REVENUE TOTALS								
DEPT DISBURSEMENT TOTALS		76,046.60		76,046.60	160,390.00	80,195.00	47.4	84,343.40
410-999 SEWER	TRANSFER TO OTHER FUNDS							
901	TRF TO GENERAL FUND				200,000.00	100,000.00		200,000.00
927	TRANSFER TO 405 SEWER ELECTRIC				77,123.00	38,561.50		77,123.00
955	ENDING CASH BALANCE				57,311.57	28,655.78		57,311.57
900 - 999	CAPITAL OUTLAY & OTHER				334,434.57	167,217.28		334,434.57
DEPT REVENUE TOTALS								
DEPT DISBURSEMENT TOTALS					334,434.57	167,217.28		334,434.57
FUND REVENUE TOTALS		1,063,674.88		1,063,674.88	3,865,723.36	1,932,861.68	27.5	
FUND DISBURSEMENT TOTALS		1,440,001.03	101,675.94	1,541,676.97	3,865,723.36	1,932,861.64	39.8	2,324,046.39
REPT REVENUE TOTALS		1,063,674.88		1,063,674.88	3,865,723.36	1,932,861.68	27.5	
REPT DISBURSEMENT TOTALS		1,440,001.03	101,675.94	1,541,676.97	3,865,723.36	1,932,861.64	39.8	2,324,046.39

APPENDIX G

LOAN ANALYSIS

Amortization Table

A simple amortization table covering 24 payment periods of a loan.
1) To use , change any of the values in the "inital data" area.
2) To print the table, just choose "Print" . The print area is defined.

Initial Data

LOAN DATA

Loan amount:	**4,958,000**
Annual interest rate:	1.75%
Term in years:	20
Payments per year:	1
First payment due:	1/1/2019

TABLE DATA

Table starts at date:	
or at payment number:	1

PERIODIC PAYMENT

Entered payment:		*The table uses the calc. payment amount*
Calculated payment:	**$295,949**	*unless you enter a value - "Entered payment".*

CALCULATIONS

Use payment of:	$295,949	Beginning balance at payment 1:	4,958,000
1st payment in table:	1	Cumulative interest prior to payment 1:	0.00

Table

No.	Payment Date	Beginning Balance	Interest	Principal	Ending Balance	Cumulative Interest
1	1/1/2019	4,958,000	86765.00	209184.09	4748815.91	86765.00
2	1/1/2020	4,748,816	83104.28	212844.81	4535971.10	169869.28
3	1/1/2021	4,535,971	79379.49	216569.60	4319401.50	249248.77
4	1/1/2022	4,319,401	75589.53	220359.57	4099041.93	324838.30
5	1/1/2023	4,099,042	71733.23	224215.86	3874826.08	396571.53
6	1/1/2024	3,874,826	67809.46	228139.64	3646686.44	464380.99
7	1/1/2025	3,646,686	63817.01	232132.08	3414554.36	528198.00
8	1/1/2026	3,414,554	59754.70	236194.39	3178359.97	587952.70
9	1/1/2027	3,178,360	55621.30	240327.79	2938032.18	643574.00
10	1/1/2028	2,938,032	51415.56	244533.53	2693498.65	694989.57
11	1/1/2029	2,693,499	47136.23	248812.86	2444685.79	742125.79
12	1/1/2030	2,444,686	42782.00	253167.09	2191518.70	784907.79
13	1/1/2031	2,191,519	38351.58	257597.51	1933921.18	823259.37
14	1/1/2032	1,933,921	33843.62	262105.47	1671815.71	857102.99
15	1/1/2033	1,671,816	29256.77	266692.32	1405123.40	886359.77
16	1/1/2034	1,405,123	24589.66	271359.43	1133763.96	910949.43
17	1/1/2035	1,133,764	19840.87	276108.22	857655.74	930790.29
18	1/1/2036	857,656	15008.98	280940.12	576715.63	945799.27
19	1/1/2037	576,715.63	10,092.52	285,856.57	290,859.06	955,891.79
20	1/1/2038	290,859.06	5,090.03	290,859.06	0.00	960,981.83

APPENDIX H

DEMOGRAPHIC DATA CITY OF OCEAN SPRINGS

QuickFacts

Ocean Springs city, Mississippi

QuickFacts provides statistics for all states and counties, and for cities and towns with a ***population of 5,000 or more***.

All Topics ▼	OCEAN SPRINGS CITY, MISSISSIPPI
People	
Population	
Population estimates, July 1, 2016, (V2016)	17,652
Population estimates, July 1, 2015, (V2015)	17,636
Population estimates base, April 1, 2010, (V2016)	17,442
Population estimates base, April 1, 2010, (V2015)	17,442
Population, percent change - April 1, 2010 (estimates base) to July 1, 2016, (V2016)	1.2%
Population, percent change - April 1, 2010 (estimates base) to July 1, 2015, (V2015)	1.1%
Population, Census, April 1, 2010	17,442
Age and Sex	
Persons under 5 years, percent, July 1, 2015, (V2015)	X
Persons under 5 years, percent, April 1, 2010	5.6%
Persons under 18 years, percent, July 1, 2015, (V2015)	X
Persons under 18 years, percent, April 1, 2010	22.9%
Persons 65 years and over, percent, July 1, 2015, (V2015)	X
Persons 65 years and over, percent, April 1, 2010	16.5%
Female persons, percent, July 1, 2015, (V2015)	X
Female persons, percent, April 1, 2010	52.3%
Race and Hispanic Origin	
White alone, percent, July 1, 2015, (V2015) (a)	X
White alone, percent, April 1, 2010 (a)	85.4%
Black or African American alone, percent, July 1, 2015, (V2015) (a)	X
Black or African American alone, percent, April 1, 2010 (a)	7.4%
American Indian and Alaska Native alone, percent, July 1, 2015, (V2015) (a)	X
American Indian and Alaska Native alone, percent, April 1, 2010 (a)	0.4%
Asian alone, percent, July 1, 2015, (V2015) (a)	X
Asian alone, percent, April 1, 2010 (a)	3.1%
Native Hawaiian and Other Pacific Islander alone, percent, July 1, 2015, (V2015) (a)	X
Native Hawaiian and Other Pacific Islander alone, percent, April 1, 2010 (a)	0.1%
Two or More Races, percent, July 1, 2015, (V2015)	X
Two or More Races, percent, April 1, 2010	2.2%
Hispanic or Latino, percent, July 1, 2015, (V2015) (b)	X
Hispanic or Latino, percent, April 1, 2010 (b)	4.2%
White alone, not Hispanic or Latino, percent, July 1, 2015, (V2015)	X
White alone, not Hispanic or Latino, percent, April 1, 2010	83.0%
Population Characteristics	
Veterans, 2011-2015	2,271
Foreign born persons, percent, 2011-2015	5.1%
Housing	
Housing units, July 1, 2016, (V2016)	X
Housing units, April 1, 2010	7,814
Owner-occupied housing unit rate, 2011-2015	71.7%
Median value of owner-occupied housing units, 2011-2015	$146,800
Median selected monthly owner costs -with a mortgage, 2011-2015	$1,341
Median selected monthly owner costs -without a mortgage, 2011-2015	$421
Median gross rent, 2011-2015	$925
Building permits, 2016	X
Families and Living Arrangements	
Households, 2011-2015	6,417
Persons per household, 2011-2015	2.71
Living in same house 1 year ago, percent of persons age 1 year+, 2011-2015	82.4%
Language other than English spoken at home, percent of persons age 5 years+, 2011-2015	7.6%
Education	
High school graduate or higher, percent of persons age 25 years+, 2011-2015	91.0%
Bachelor's degree or higher, percent of persons age 25 years+, 2011-2015	37.3%
Health	
With a disability, under age 65 years, percent, 2011-2015	11.6%
Persons without health insurance, under age 65 years, percent	⚠ 16.1%
Economy	
In civilian labor force, total, percent of population age 16 years+, 2011-2015	59.3%
In civilian labor force, female, percent of population age 16 years+, 2011-2015	54.6%

In civilian labor force, female, percent of population age 16 years+, 2011-2015	54.6%
Total accommodation and food services sales, 2012 ($1,000) (c)	51,711
Total health care and social assistance receipts/revenue, 2012 ($1,000) (c)	D
Total manufacturers shipments, 2012 ($1,000) (c)	D
Total merchant wholesaler sales, 2012 ($1,000) (c)	23,784
Total retail sales, 2012 ($1,000) (c)	291,653
Total retail sales per capita, 2012 (c)	$16,703
Transportation	
Mean travel time to work (minutes), workers age 16 years+, 2011-2015	21.6
Income and Poverty	
Median household income (in 2015 dollars), 2011-2015	$53,495
Per capita income in past 12 months (in 2015 dollars), 2011-2015	$31,347
Persons in poverty, percent	⚠ 9.3%
Businesses	
Total employer establishments, 2015	X
Total employment, 2015	X
Total annual payroll, 2015 ($1,000)	X
Total employment, percent change, 2014-2015	X
Total nonemployer establishments, 2015	X
All firms, 2012	1,866
Men-owned firms, 2012	949
Women-owned firms, 2012	674
Minority-owned firms, 2012	261
Nonminority-owned firms, 2012	1,487
Veteran-owned firms, 2012	199
Nonveteran-owned firms, 2012	1,543
Geography	
Population per square mile, 2010	1,513.5
Land area in square miles, 2010	11.52
FIPS Code	2853520

⚠ This geographic level of poverty and health estimates are not comparable to other geographic levels of these estimates

Some estimates presented here come from sample data, and thus have sampling errors that may render some apparent differences between geographies statistically indistinguishable. Click the Quick Info icon to the left of each row in TABLE view to learn about sampling error.

The vintage year (e.g., V2015) refers to the final year of the series (2010 thru 2015). Different vintage years of estimates are not comparable.

(a) Includes persons reporting only one race
(b) Hispanics may be of any race, so also are included in applicable race categories
(c) Economic Census - Puerto Rico data are not comparable to U.S. Economic Census data

D Suppressed to avoid disclosure of confidential information
F Fewer than 25 firms
FN Footnote on this item in place of data
NA Not available
S Suppressed; does not meet publication standards
X Not applicable
Z Value greater than zero but less than half unit of measure shown

QuickFacts data are derived from: Population Estimates, American Community Survey, Census of Population and Housing, Current Population Survey, Small Area Health Insurance Estimates, Small Area Income and Poverty Estimates, State and County Housing Unit Estimates, County Business Patterns, Nonemployer Statistics, Economic Census, Survey of Business Owners, Building Permits.

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NAICS (//www.census.gov/topics/economy/classifications-codes.html)
Governments (//www.census.gov/topics/public-sector.html)
Local Employment Dynamics (//www.census.gov/topics/employment/led.html)
Survey of Business Owners (//www.census.gov/programs-surveys/sbo.html)

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2010 Census (//www.census.gov/programs-surveys/decennial-census/2010-census.html/)
American Community Survey (//www.census.gov/programs-surveys/acs/)
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APPENDIX I

NEWSPAPER ADVERTISEMENTS FOR PUBLIC HEARING

Publish in The Ocean Springs Gazette on 08/03/17

PUBLIC NOTICE

The City of Ocean Springs is applying for a $4,958,000.00 loan from the Clean Water State Revolving Loan Program. The anticipated interest rate for the loan is 1.75%. In general, the proposed project includes replacement and upgrading of wastewater systems within the City.

Copies of the facilities plan are available at Ocean Springs City Hall located at 1018 Porter Avenue, Ocean Springs, and will be available for review for the next 30 days. The public is invited to review, and voice any comments regarding the project alternatives, the environmental review documentation, and all other information included in the facilities plan. A public hearing will be scheduled for **September 5, 2017 at 2:00 p.m.** at Ocean Springs City Hall.

OCEAN SPRINGS GAZETTE
PROOF OF PUBLICATION

PUBLIC NOTICE

The City of Ocean Springs is applying for a $4,958,000.00 loan from the Clean Water State Revolving Loan Program. The anticipated interest rate for the loan is 1.75%. In general, the proposed project includes replacement and upgrading of wastewater systems within the City.

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Personally appeared before me, the undersigned authority, one

James Ricketts

known to me to be the Publisher of the OCEAN SPRINGS GAZETTE, a weekly newspaper published in Ocean Springs, Jackson County, Mississippi; who, having been by me duly sworn, states on oath that the notice, a true copy of which is annexed hereto, was published and appeared in the following issues of said newspaper:

Date 8/3/2017
Date _____
Date _____
Date _____
Date _____

Placed by:

James Douglass

JAMES DOUGLASS-WASTEWATER PLAN
Title

No. of Words 121 or

Size of Ad _____

Published 1 time(s)

Printer's Fee $ 14.52
Making Proof $ _____

Total $ 14.52

Signed _____

Sworn to and subscribed before me this 1st day of Sept, 2017.

_____
Notary Public

STATE OF MISSISSIPPI
NOTARY PUBLIC
ID # 103340
MELISSA NELL CEASAR
Commission Expires
Sept. 4, 2020
JACKSON COUNTY

APPENDIX J

COMMENTS FROM PUBLIC HEARING

COMPTON ENGINEERING, INC.
ENGINEERING, SURVEYING & ENVIRONMENTAL SERVICES

1706 Convent Avenue
P.O. Box 686
Pascagoula, MS 39568

Phone: 228.762.3970
Fax: 228.769.9079

comptonengineering.com

PASCAGOULA
BILOXI
BAY ST. LOUIS

MEMORANDUM

To: File

From: W. Andrew Douglass, P.E. AD

Date: September 8, 2017

Subject: City of Ocean Springs
Draft Facilities Plan for Wastewater System Improvements
Public Hearing
(C.E. Job No.: 216-039.005)

A Public Hearing was held on September 5, 2017 regarding the above referenced project. No outside personnel were present at the Public Hearing and no comments were received.

PUBLIC HEARING
LIST OF ATTENDEES
FACILITIES PLAN FOR WASTEWATER SYSTEM IMPROVEMENTS
FOR
CITY OF OCEAN SPRINGS

SEPTEMBER 5, 2017 AT 2:00 P.M.

Representative/ Company Name	Address	Phone Numbers and Email Address
Andy Douglass Compton Engineering	1706 Convent Ave. Pascagoula, MS	Office: (228) 762-3970 Fax: ( ) - Cell: (228) 355-0897 Email: adouglass@comptonengineering.com
David Compton Compton Engineering	1706 Convent Ave. Pascagoula, MS	Office: (228) 762-3970 Fax: ( ) - Cell: (228) 355-0390 Email: dave.dc@comptonengineering.com
James Foster City of Ocean Springs		Office: (228) 875-3395 Fax: ( ) - Cell: ( ) Email: james@cityofoceansprings.com
		Office: ( ) - Fax: ( ) - Cell: ( ) - Email:
		Office: ( ) - Fax: ( ) - Cell: ( ) - Email:
		Office: ( ) - Fax: ( ) - Cell: ( ) - Email:
		Office: ( ) - Fax: ( ) - Cell: ( ) - Email:
		Office: ( ) - Fax: ( ) - Cell: ( ) - Email:
		Office: ( ) - Fax: ( ) - Cell: ( ) - Email:
		Office: ( ) - Fax: ( ) - Cell: ( ) - Email:

APPENDIX K

RESPONSE TO COMMENTS FROM PUBLIC HEARING

COMPTON ENGINEERING, INC.
ENGINEERING, SURVEYING & ENVIRONMENTAL SERVICES

1706 Convent Avenue
P.O. Box 686
Pascagoula, MS 39568

Phone: 228.762.3970
Fax: 228.769.9079

comptonengineering.com

PASCAGOULA
BILOXI
BAY ST. LOUIS

MEMORANDUM

To: File

From: W. Andrew Douglass, P.E. AD

Date: September 8, 2017

Subject: City of Ocean Springs
Draft Facilities Plan for Wastewater System Improvements
Public Hearing
(C.E. Job No.: 216-039.005)

A Public Hearing was held on September 5, 2017 regarding the above referenced project. No outside personnel were present at the Public Hearing and no comments were received.

APPENDIX L

DEPARTMENT OF THE ARMY/CORPS OF ENGINEERS

COMPTON ENGINEERING, INC.

ENGINEERING, SURVEYING & ENVIRONMENTAL SERVICES

1706 Convent Avenue
P.O. Box 686
Pascagoula, MS 39568

Phone: 228.762.3970
Fax: 228.769.9079

comptonengineering.com

June 13, 2017

Ms. Allison Monroe
U.S. Army Corps of Engineers
Mobile District, Regulatory Division
109 St. Joseph Street
Mobile, AL 36602

Re: City of Ocean Springs
Draft Facilities Plan for Wastewater System Improvements
(C.E. Job No.: 216-039.005)

Dear Ms. Monroe:

Enclosed please find a draft Facilities Plan for the City of Ocean Springs Wastewater System Improvements. The improvements consist of the rehabilitation of four (4) stations, the rehabilitation and replacement of sewer lines and manholes throughout the City, and installation of two (2) new force mains. All work is being performed on existing facilities or in existing rights-of-way.

Funding for this project through the Mississippi Department of Environmental Quality, Office of Pollution Control is imperative; therefore, we request that your office review the attached Facilities Plan and forward your comments back to me within 30 days.

If you have any questions, please advise.

Sincerely,

COMPTON ENGINEERING, INC.

W. Andrew Douglass, P.E.
Project Engineer

Enclosure

PASCAGOULA

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RECEIVED
JUL 03 2017

DEPARTMENT OF THE ARMY
MOBILE DISTRICT, CORPS OF ENGINEERS
P.O. BOX 2288
MOBILE, AL 36628-0001

REPLY TO
ATTENTION OF:

June 23, 2017

Mississippi Branch
Regulatory Division

City of Ocean Springs
c/o Compton Engineering, Inc.
Attention: Mr. W. Andrew Douglass
Post Office Box 686
Pascagoula, Mississippi 39568

Dear Mr. Douglass:

I refer to your recent submittal of a request for a Department of the Army jurisdictional determination in Oceans Springs, Jackson County, Mississippi. This project has been assigned file number **SAM-2017-00738-DEM**. It is important that you refer to the assigned number in all communication with this office concerning this matter.

If after reviewing your submittal we determine that additional information is required, we will contact you. However, should you have any questions, please feel free to contact me at (251) 690-3185, or by email at Donald.E.Mroczko@usace.army.mil.

Sincerely,

Donald Mroczko
Project Manager
Regulatory Division

DEPARTMENT OF THE ARMY
MOBILE DISTRICT, CORPS OF ENGINEERS
P.O. BOX 2288
MOBILE, AL 36628-0001

REPLY TO ATTENTION OF

September 5, 2017

South Mississippi Branch
Regulatory Division

SUBJECT: Department of the Army File Number SAM-2017-00738-DEM, City of Ocean Springs, Wastewater System Improvements, Ocean Springs, Mississippi

City of Ocean Springs
c/o Compton Engineering, Inc.
Attention: Mr. Andrew Douglass
1706 Convent Avenue
Pascagoula, Mississippi 39568

Dear Mr. Douglass:

Reference is made to your letter received June 19, 2017, regarding the Draft Facilities Plan for Wastewater System Improvements Project by the City of Ocean Springs in Ocean Springs, Jackson County, Mississippi. The proposed project would include the replacement/rehabilitation of existing stations and sewer lines as well as the installation of two new force mains. The proposed project has been assigned number SAM-2017-00738-DEM, which should be referred to in correspondence with this office regarding the project.

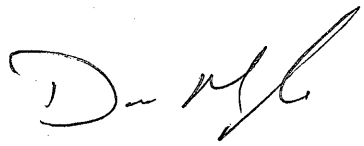
The placement of dredged or fill material in waters of the United States, including wetlands, is regulated under Section 404 of the Clean Water Act. In order to assess the need for a Department of the Army permit, you should determine if there are waters of the United States on your property by conducting wetland delineations of the work areas and requesting a jurisdictional determination through our office.

For regulatory purposes, the USACE defines wetlands as those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. If future development plans include a discharge of dredged and/or fill material into the jurisdictional wetlands located on the property, a DA permit would be required prior to initiating work pursuant to Section 404 of the Clean Water Act of 1977 (33 U.S.C. 1344).

The statements contained herein do not convey any property rights or any exclusive privileges, and do not authorize any injury to property or obviate the requirements to obtain other local, State, or Federal Assent required by law for the activities discussed above.

Please contact me at (251) 690-3185 or at donald.e.mroczko@usace.army.mil, if you have any questions. For additional information about our Regulatory Program, please visit our web site at www.sam.usace.army.mil/Missions/Regulatory.aspx. Also, please take a moment to complete our customer satisfaction survey located near the bottom of the webpage. Your responses are appreciated and will help us improve our services.

Sincerely,



Don Mroczko
South Mississippi Branch
Regulatory Division

COMPTON ENGINEERING, INC.

ENGINEERING, SURVEYING & ENVIRONMENTAL SERVICES

1706 Convent Avenue
P.O. Box 686
Pascagoula, MS 39568

Phone: 228.762.3970
Fax: 228.769.9079

comptonengineering.com

September 8, 2017

Mr. Don Mroczko
U.S. Army Corps of Engineers
South Mississippi Branch
Regulatory Division
P.O. Box 2288
Mobile, AL 36628-0001

Re: City of Ocean Springs
Draft Facilities Plan for Wastewater System Improvements
SAM-2017-00738-DEM
(C.E. Job No.: 216-039.005)

Dear Mr. Mroczko:

We have received your response to our letter on September 5, 2017 in which you indicated that a wetland delineation and calculation of impacts to waters of the United States would be necessary if the project would be constructed in jurisdictional wetlands. Prior to design or construction in any areas that may contain wetlands, the City of Ocean Springs will have a wetland delineation completed and if there are impacts will submit a permit application.

If you have any questions, please advise.

Sincerely,

COMPTON ENGINEERING, INC.

W. Andrew Douglass, P.E.
Project Engineer

PASCAGOULA

BILOXI

BAY ST. LOUIS

COMPTON ENGINEERING, INC.

ENGINEERING, SURVEYING & ENVIRONMENTAL SERVICES

1706 Convent Avenue
P.O. Box 686
Pascagoula, MS 39568

Phone: 228.762.3970
Fax: 228.769.9079

comptonengineering.com

PASCAGOULA

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BAY ST. LOUIS

November 14, 2017

Mr. Don Mroczko
U.S. Army Corps of Engineers
South Mississippi Branch
Regulatory Division
P.O. Box 2288
Mobile, AL 36628-0001

Re: City of Ocean Springs
Draft Facilities Plan for Wastewater System Improvements
SAM-2017-00738-DEM
(C.E. Job No.: 216-039.005)

Dear Mr. Mroczko:

Based on comments received September 5, 2017, and our November 9, 2017 conversation with the Mississippi Department of Environmental Quality (MDEQ), Compton Engineering has conducted a wetland survey of all areas of the project and has determined that no wetlands will be impacted. Specifically, Compton Engineering conducted a driving survey of the project area and identified areas of potential impact or concern based on the potential presence of wetlands, and potential impacts to stream or ditch crossings. In addition, Compton Engineering evaluated online resources including the National Wetland Inventory Mapper and the Natural Resources Conservation Service (NRCS) Web Soil Survey and compared areas mapped as wetlands to the existing system layout and proposed system improvements. Areas where a potential impact was identified were ground surveyed a second time. These potential areas of impact are shown on the attached drawing.

The following areas where potential wetlands or ditch/stream crossing were identified near the existing sewer system piping were identified:

Area 1 – Ditch and wetland south of Ocean Avenue
Area 8 - Ditch north of Highway 90 east of Nelson Ct.
Area 22 - Ditch and wetlands south of Gulfview Drive

These areas were then inspected for wetlands and compared to the location of the existing system. Based on this evaluation, the only area where the potential for wetland impacts exists is in Area 1, the ditch and wetland south of Ocean Avenue. However, since the proposed work being conducted for the area includes only pipe lining which will not require any surface disturbance there will be no impact to the nearby wetlands. If any line work is required the pipe will be bored underneath the wetland with no surface impact or that phase of the project will be postponed and addressed in a later project.

Based on the wetland survey and impact evaluation, it does not appear that a Section 404 or Section 10 wetland permit will be required for the project. The City of Ocean Springs requests that the US Army Corps of Engineers provide concurrence that no permit is necessary for the pipe lining project at this time. This concurrence is necessary in order for the MDEQ to complete their evaluation of the Draft Facilities Plan and provide funding for the project.

We appreciate your attention to this important project. If you have any questions, please advise.

Sincerely,

COMPTON ENGINEERING, INC.

Lisa D. Morrison

Lisa D. Morrison, RPG
Senior Geologist

S:\Pascagoula\0-Projects\2016\216-039 City of Ocean Springs\216-039.005 Wastewater Facilities Plan\EnvirPermitting\Dwgs\FIG 2 REV A.dwg, 11/14/2017 6:34:48 AM, nicoles, 1:2

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DATE	DESCRIPTION	BY	APVD
06/13/17	ISSUED FOR DRAFT FACILITIES PLAN	NMB	WAD

SCALE: 1"=1500'

NORTH

CITY LIMITS

AREA 1
Ditch and wetland south of Ocean Avenue

AREA 22
Ditch and wetlands south of Gulfview Drive

AREA 8
Ditch north of Highway 90 east of Nelson Dr.

TO I-10

MISSISSIPPI STATE HIGHWAY 609

U.S. HIGHWAY 90

REV. NO. A

FIGURE 2

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY.
0 1"

SCALE:	1" = 1500'
JOB NO.:	216-039.005
DATE:	
DSGN.:	WAD
DWG. BY:	NMB
CHK.:	WAD
APVD.:	

CITY OF OCEAN SPRINGS SEWER SYSTEM MAP

WASTEWATER FACILITY PLAN
AREAS OF POTENTIAL IMPACT

COMPTON ENGINEERING, INC.
Engineering, Surveying, and Environmental Services
1706 Convent Avenue
Pascagoula, Mississippi 39567
Phone: (228) 762-3970 Fax: (228) 769-9079
E-mail: compton@comptonengineering.com

COMPTON ENGINEERING, INC.

ENGINEERING, SURVEYING & ENVIRONMENTAL SERVICES

1706 Convent Avenue
P.O. Box 686
Pascagoula, MS 39568

Phone: 228.762.3970
Fax: 228.769.9079

comptonengineering.com

December 4, 2017

Mr. Don Mroczko
U.S. Army Corps of Engineers
South Mississippi Branch
Regulatory Division
P.O. Box 2288
Mobile, AL 36628-0001

Re: City of Ocean Springs
Draft Facilities Plan for Wastewater System Improvements
SAM-2017-00738-DEM
(C.E. Job No.: 216-039.005)

Dear Mr. Mroczko:

Based on our conversation of November 30, 2017, Compton Engineering has conducted additional evaluation of potential impacts associated with the work proposed as part of the City of Ocean Springs Wastewater Facilities Plan. In particular, Compton evaluated areas where there may be surface disturbance associated with installation of additional force main piping along Groveland and Dena Roads. Compton Engineering conducted hand auger borings and completed wetland determination data forms for these two areas. This was completed in order to evaluate for the presence of wetlands in the work area.

Compton Engineering evaluated online resources including the National Wetland Inventory Mapper and the Natural Resources Conservation Service (NRCS) Web Soil Survey for the areas where force main would be installed. The National Wetland Inventory Mapper did not show wetlands within the work area. The Web Soil Survey identified the soils in the area as the Bayou sandy loam which is considered hydric in Jackson County. These background resources are attached.

Both areas evaluated consist of roadside right of way that is maintained by mowing. Wetland hydrology was not identified in either location, although hydric soils were present at DP-1 and hydric soils and hydrophytic vegetation were present at DP-2. Therefore, neither area was identified as a wetland. Copies of the Wetland Determination Data Forms are attached.

Based on this evaluation of the two areas where surface disturbance will occur, it does not appear that a Section 404 or Section 10 wetland permit will be required for the project. The City of Ocean Springs requests that the US Army Corps of Engineers provide concurrence that no permit is necessary for the project at this time. This concurrence is necessary in order for the MDEQ to complete their evaluation of the Draft Facilities Plan and provide funding for the project.

We appreciate your attention to this important project. If you have any questions, please advise.

Sincerely,

COMPTON ENGINEERING, INC.

Lisa D. Morrison

Lisa D. Morrison, RPG
Senior Geologist

LDM:kl

attachments

S:\Pascagoula\0-Projects\2016\216-039 City of Ocean Springs\216-039.005 Wastewater Facilities Plan\Docs\Design\Facilities Plan\Appendices\L - Corps Response Ltr 12-4-17.doc

PASCAGOULA

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U.S. Fish and Wildlife Service

National Wetlands Inventory

Groveland force main



November 30, 2017

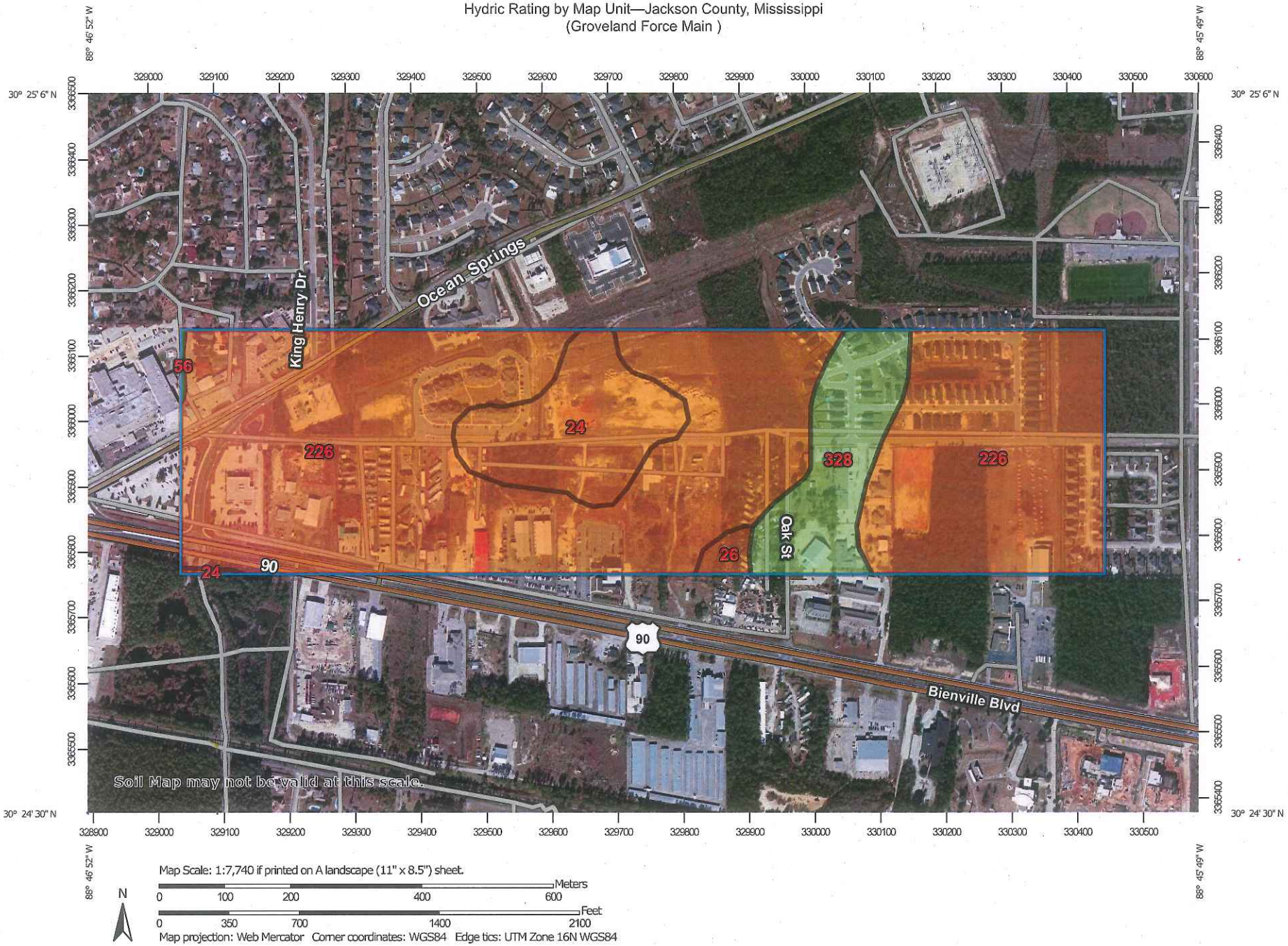
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Hydric Rating by Map Unit—Jackson County, Mississippi
(Groveland Force Main)



Map Scale: 1:7,740 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 100 200 400 600

Feet: 0 350 700 1400 2100

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- Not rated or not available

Soil Rating Lines
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- Not rated or not available

Soil Rating Points
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Jackson County, Mississippi
Survey Area Data: Version 14, Oct 8, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

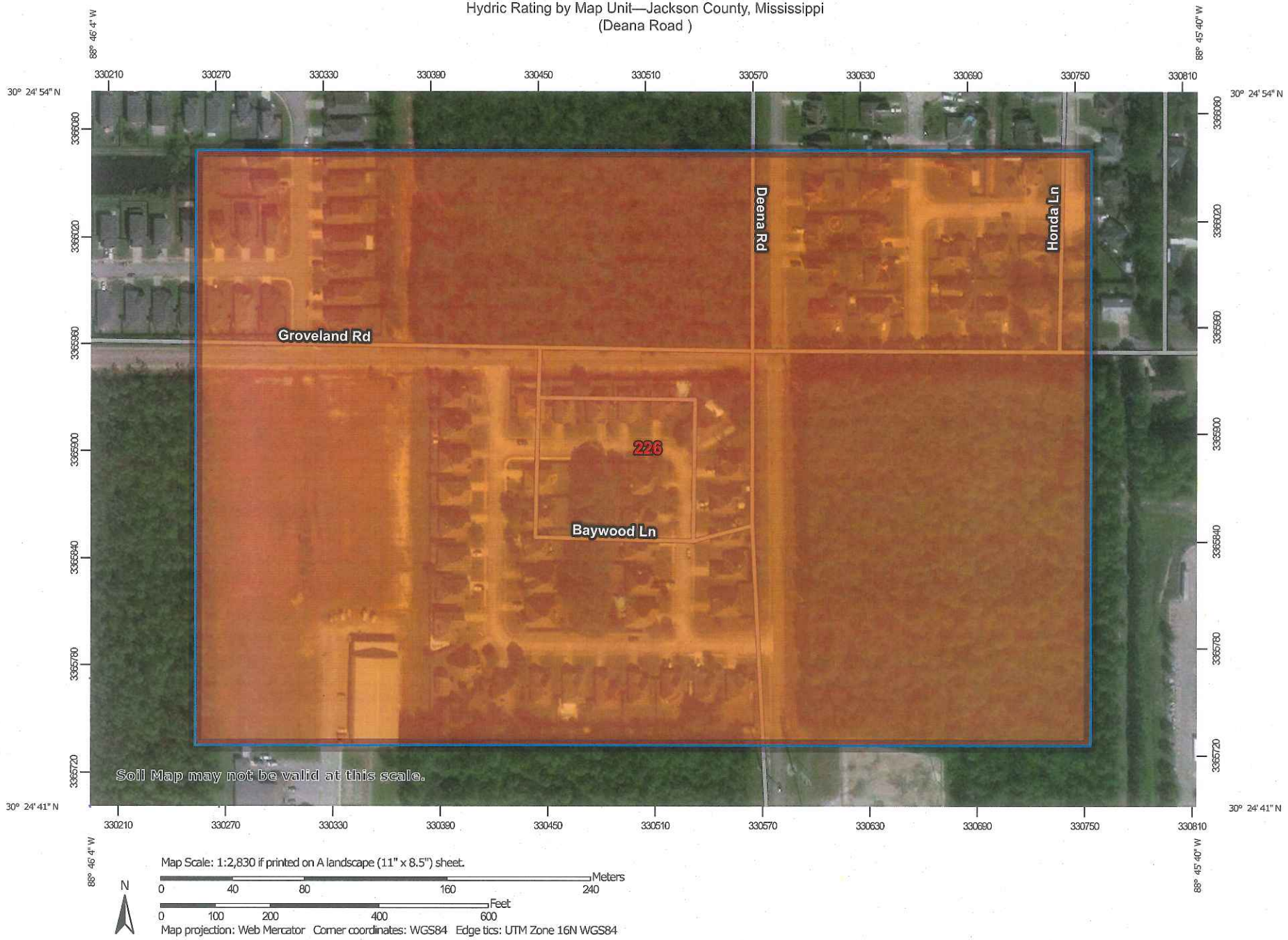
Date(s) aerial images were photographed: Apr 12, 2010—Feb 6, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydric Rating by Map Unit

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
24	Hyde silt loam	90	13.6	10.4%
26	Smithton loam, 0 to 1 percent slopes, occasionally flooded	90	1.1	0.9%
56	Benndale fine sandy loam, 3 to 8 percent slopes	0	0.1	0.1%
226	Bayou sandy loam, 0 to 1 percent slopes	85	103.6	79.3%
328	Harleston fine sandy loam, 0 to 2 percent slopes	10	12.1	9.3%
Totals for Area of Interest			**130.6**	**100.0%**

Hydric Rating by Map Unit—Jackson County, Mississippi
(Deana Road)



MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- Not rated or not available

Soil Rating Lines
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- Not rated or not available

Soil Rating Points
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Jackson County, Mississippi
Survey Area Data: Version 14, Oct 8, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 31, 2009—Oct 30, 2016

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydric Rating by Map Unit

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
226	Bayou sandy loam, 0 to 1 percent slopes	85	41.3	100.0%
Totals for Area of Interest			**41.3**	**100.0%**

Description

This rating indicates the percentage of map units that meets the criteria for hydric soils. Map units are composed of one or more map unit components or soil types, each of which is rated as hydric soil or not hydric. Map units that are made up dominantly of hydric soils may have small areas of minor nonhydric components in the higher positions on the landform, and map units that are made up dominantly of nonhydric soils may have small areas of minor hydric components in the lower positions on the landform. Each map unit is rated based on its respective components and the percentage of each component within the map unit.

The thematic map is color coded based on the composition of hydric components. The five color classes are separated as 100 percent hydric components, 66 to 99 percent hydric components, 33 to 65 percent hydric components, 1 to 32 percent hydric components, and less than one percent hydric components.

In Web Soil Survey, the Summary by Map Unit table that is displayed below the map pane contains a column named 'Rating'. In this column the percentage of each map unit that is classified as hydric is displayed.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). Under natural conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2006) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and Vasilas, 2006).

References:

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 436.

Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.

Rating Options

Aggregation Method: Percent Present

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Description

This rating indicates the percentage of map units that meets the criteria for hydric soils. Map units are composed of one or more map unit components or soil types, each of which is rated as hydric soil or not hydric. Map units that are made up dominantly of hydric soils may have small areas of minor nonhydric components in the higher positions on the landform, and map units that are made up dominantly of nonhydric soils may have small areas of minor hydric components in the lower positions on the landform. Each map unit is rated based on its respective components and the percentage of each component within the map unit.

The thematic map is color coded based on the composition of hydric components. The five color classes are separated as 100 percent hydric components, 66 to 99 percent hydric components, 33 to 65 percent hydric components, 1 to 32 percent hydric components, and less than one percent hydric components.

In Web Soil Survey, the Summary by Map Unit table that is displayed below the map pane contains a column named 'Rating'. In this column the percentage of each map unit that is classified as hydric is displayed.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). Under natural conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2006) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

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Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 436.

Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.

Rating Options

Aggregation Method: Percent Present

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Groveland Road City/County: Ocean Springs/Jackson Sampling Date: 12/1/17

Applicant/Owner: City of Ocean Springs State: MS Sampling Point: DP-1

Investigator(s): Lisa Morrison Section, Township, Range: 27/7S/8W

Landform (hillslope, terrace, etc.): road side Local relief (concave, convex, none): flat Slope (%): 0

Subregion (LRR or MLRA): LRRT Lat: 30.413711 Long: -88.775885 Datum:

Soil Map Unit Name: Bayou sandy loam NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes [✓] No [ ] (If no, explain in Remarks.)

Are Vegetation [ ] Soil [ ] or Hydrology [ ] significantly disturbed? [ ] Are "Normal Circumstances" present? Yes [✓] No [ ]

Are Vegetation [ ] Soil [ ] or Hydrology [ ] naturally problematic? [ ] (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes [ ]	No [✓]	**Is the Sampled Area within a Wetland?**	Yes [ ]	No [✓]
Hydric Soil Present?	Yes [✓]	No [ ]			
Wetland Hydrology Present?	Yes [ ]	No [✓]			

Remarks:

Area is along the road right of way that is maintained regularly by mowing. Surrounded by roadway and sidewalk.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- [ ] Surface Water (A1)
- [ ] High Water Table (A2)
- [ ] Saturation (A3)
- [ ] Water Marks (B1)
- [ ] Sediment Deposits (B2)
- [ ] Drift Deposits (B3)
- [ ] Algal Mat or Crust (B4)
- [ ] Iron Deposits (B5)
- [ ] Inundation Visible on Aerial Imagery (B7)
- [ ] Water-Stained Leaves (B9)
- [ ] Aquatic Fauna (B13)
- [ ] Marl Deposits (B15) (LRR U)
- [ ] Hydrogen Sulfide Odor (C1)
- [ ] Oxidized Rhizospheres along Living Roots (C3)
- [ ] Presence of Reduced Iron (C4)
- [ ] Recent Iron Reduction in Tilled Soils (C6)
- [ ] Thin Muck Surface (C7)
- [ ] Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- [ ] Surface Soil Cracks (B6)
- [ ] Sparsely Vegetated Concave Surface (B8)
- [ ] Drainage Patterns (B10)
- [ ] Moss Trim Lines (B16)
- [ ] Dry-Season Water Table (C2)
- [ ] Crayfish Burrows (C8)
- [ ] Saturation Visible on Aerial Imagery (C9)
- [ ] Geomorphic Position (D2)
- [ ] Shallow Aquitard (D3)
- [ ] FAC-Neutral Test (D5)
- [ ] Sphagnum moss (D8) (LRR T, U)

Field Observations:

Surface Water Present? Yes [ ] No [✓] Depth (inches): _____

Water Table Present? Yes [ ] No [✓] Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes [ ] No [✓] Depth (inches): _____

Wetland Hydrology Present? Yes [ ] No [✓]

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) – Use scientific names of plants. Sampling Point: DP-1

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
	= Total Cover		

50% of total cover: 20% of total cover:

Sapling Stratum (Plot size:)			
1.			
2.			
3.			
4.			
5.			
6.			
	= Total Cover		

50% of total cover: 20% of total cover:

Shrub Stratum (Plot size:)			
1.			
2.			
3.			
4.			
5.			
6.			
	= Total Cover		

50% of total cover: 20% of total cover:

Herb Stratum (Plot size: 10x20)			
1. Cynodon dactylon (bermuda grass)	90	Y	FACU
2. hydrocotlye sp (pennywort)	2	N	FACW
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
	92 = Total Cover		

50% of total cover: 46 20% of total cover: 18.4

Woody Vine Stratum (Plot size:)			
1.			
2.			
3.			
4.			
5.			
	= Total Cover		

50% of total cover: 20% of total cover:

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species		x 1 =	
FACW species	1	x 2 =	2
FAC species		x 3 =	
FACU species	1	x 4 =	4
UPL species		x 5 =	
Column Totals:	2 (A)		8 (B)

Prevalence Index = B/A = 4

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☐ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Five Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☐ No ☑

Remarks: (If observed, list morphological adaptations below).

SOIL Sampling Point: DP-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR5/1	98					loamy	
6-9	10YR3/1	90					loamy	mottles of 10YR 7/1 (D)
9-12	10YR3/1	80	10YR7/4	1	C	M	loamy	mottles of 10YR 7/1 (D)
12-18	2.5YR6/8	75					sandy	mixed with 10YR3/1 (25%)

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Surface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☑ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron-Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ☑ No ☐

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Groveland Road City/County: Ocean Springs/Jackson Sampling Date: 12/1/17

Applicant/Owner: City of Ocean Springs State: MS Sampling Point: DP-2

Investigator(s): Lisa Morrison Section, Township, Range: 26/7S/8W

Landform (hillslope, terrace, etc.): road side Local relief (concave, convex, none): flat Slope (%): 0

Subregion (LRR or MLRA): LRRT Lat: 30.413700 Long: -88.763994 Datum:

Soil Map Unit Name: Bayou sandy loam NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes [✓] No [ ] (If no, explain in Remarks.)

Are Vegetation [ ] Soil [ ] or Hydrology [ ] significantly disturbed? [ ] Are "Normal Circumstances" present? Yes [✓] No [ ]

Are Vegetation [ ] Soil [ ] or Hydrology [ ] naturally problematic? [ ] (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes [✓]	No [ ]	**Is the Sampled Area within a Wetland?** Yes [ ] No [✓]
Hydric Soil Present?	Yes [✓]	No [ ]	
Wetland Hydrology Present?	Yes [ ]	No [✓]	

Remarks:

Area is along the road right of way that is maintained regularly by mowing.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- [ ] Surface Water (A1)
- [ ] High Water Table (A2)
- [ ] Saturation (A3)
- [ ] Water Marks (B1)
- [ ] Sediment Deposits (B2)
- [ ] Drift Deposits (B3)
- [ ] Algal Mat or Crust (B4)
- [ ] Iron Deposits (B5)
- [ ] Inundation Visible on Aerial Imagery (B7)
- [ ] Water-Stained Leaves (B9)
- [ ] Aquatic Fauna (B13)
- [ ] Marl Deposits (B15) (LRR U)
- [ ] Hydrogen Sulfide Odor (C1)
- [ ] Oxidized Rhizospheres along Living Roots (C3)
- [ ] Presence of Reduced Iron (C4)
- [ ] Recent Iron Reduction in Tilled Soils (C6)
- [ ] Thin Muck Surface (C7)
- [ ] Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- [ ] Surface Soil Cracks (B6)
- [ ] Sparsely Vegetated Concave Surface (B8)
- [ ] Drainage Patterns (B10)
- [ ] Moss Trim Lines (B16)
- [ ] Dry-Season Water Table (C2)
- [ ] Crayfish Burrows (C8)
- [ ] Saturation Visible on Aerial Imagery (C9)
- [ ] Geomorphic Position (D2)
- [ ] Shallow Aquitard (D3)
- [ ] FAC-Neutral Test (D5)
- [ ] Sphagnum moss (D8) (LRR T, U)

Field Observations:

Surface Water Present? Yes [ ] No [✓] Depth (inches):

Water Table Present? Yes [ ] No [✓] Depth (inches):

Saturation Present? (includes capillary fringe) Yes [ ] No [✓] Depth (inches):

Wetland Hydrology Present? Yes [ ] No [✓]

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) – Use scientific names of plants. Sampling Point: DP-2

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
	= Total Cover		

50% of total cover: 20% of total cover:

Sapling Stratum (Plot size:)			
1.			
2.			
3.			
4.			
5.			
6.			
	= Total Cover		

50% of total cover: 20% of total cover:

Shrub Stratum (Plot size:)			
1.			
2.			
3.			
4.			
5.			
6.			
	= Total Cover		

50% of total cover: 20% of total cover:

Herb Stratum (Plot size: 10x20)			
1. Cynodon dactylon (bermuda grass)	80	Y	FACU
2. Dichanthelium commutatum (panic grass)	5	Y	FAC
3. Polygula lutea (orange candyroot)	1	N	FACW
4. Ludwigia alternifolia (seedbox)	2	N	FACW
5.			
6.			
7.			
8.			
9.			
10.			
11.			
	88 = Total Cover		

50% of total cover: 44 20% of total cover: 17.6

Woody Vine Stratum (Plot size: 10 x 20)			
1. Bignonia capreoloata (crossvine)	1	N	FAC
2.			
3.			
4.			
5.			
	1 = Total Cover		

50% of total cover: .5 20% of total cover: .2

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species		x 1 =	
FACW species	2	x 2 =	4
FAC species	1	x 3 =	3
FACU species	1	x 4 =	4
UPL species		x 5 =	
Column Totals:	4 (A)		11 (B)

Prevalence Index = B/A = 2.75

Hydrophytic Vegetation Indicators:

- [ ] 1 - Rapid Test for Hydrophytic Vegetation
- [ ] 2 - Dominance Test is >50%
- [x] 3 - Prevalence Index is ≤3.0[1]
- [ ] Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Five Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes [x] No [ ]

Remarks: (If observed, list morphological adaptations below).

SOIL

Sampling Point: DP-2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR6/1	50	2.5Y 7/4	25	C	M	sandy	
6-12	10YR5/1	60	10YR7/4	5	D	M	loamy	mottles of 10YR 8/1 (D)
12-18	10YR5/1	80	10YR7/4	1	D	M	loamy	mottles of 10YR 8/1 (D)

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☑ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Surface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron-Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ☑ No ☐

Remarks:

APPENDIX M

NATURAL HERITAGE PROGRAMS

COMPTON ENGINEERING, INC.

ENGINEERING, SURVEYING & ENVIRONMENTAL SERVICES

1706 Convent Avenue
P.O. Box 686
Pascagoula, MS 39568

Phone: 228.762.3970
Fax: 228.769.9079

comptonengineering.com

PASCAGOULA

BILOXI

BAY ST. LOUIS

June 13, 2017

Mr. Charles Knight
Mississippi Museum of Natural Science
Natural Heritage Program
2148 Riverside Drive
Jackson, MS 39202-1353

Re: City of Ocean Springs
Draft Facilities Plan for Wastewater System Improvements
(C.E. Job No.: 216-039.005)

Dear Mr. Knight:

Enclosed please find a draft Facilities Plan for the City of Ocean Springs Wastewater System Improvements. The improvements consist of the rehabilitation of four (4) stations, the rehabilitation and replacement of sewer lines and manholes throughout the City, and installation of two (2) new force mains. All work is being performed on existing facilities or in existing rights-of-way.

Funding for this project through the Mississippi Department of Environmental Quality, Office of Pollution Control is imperative; therefore, we request that your office review the attached Facilities Plan and forward your comments back to me within 30 days.

If you have any questions, please advise.

Sincerely,

COMPTON ENGINEERING, INC.

W. Andrew Douglass, P.E.
Project Engineer

Enclosure

S:\Pascagoula\0-Projects\2016\216-039 City of Ocean Springs\216-039.005 Wastewater Facilities Plan\Docs\Design\Facilities Plan\Appendices\M - Natural Heritage Programs ltr.doc

RECEIVED
JUL 24 2017

MISSISSIPPI
DEPARTMENT OF WILDLIFE, FISHERIES, AND PARKS

Sam Polles, Ph.D.
Executive Director

July 17, 2017

Compton Engineering
1706 Convent Avenue
PO Box 686
Pascagoula, MS 39568

Re: Wastewater System Improvements
Ocean Springs
Jackson County, Mississippi

R# 13064
216-039.005

To W. Andrew Douglass:

In response to your request for information dated June 13, 2017, we have searched our database for occurrences of state or federally listed species and species of special concern that occur within 2 miles of the site of the proposed project. Please find our concerns and recommendations below.

The following species of concern may occur within 2 miles of the proposed project area:

SCIENTIFIC NAME	COMMON NAME	FED	STATE	STATE RANK
Accipiter cooperii	Cooper's Hawk			S3?B
Accipiter striatus	Sharp-shinned Hawk			S1?B
Acipenser oxyrinchus desotoi	Gulf Sturgeon	LT	LE	S1
Ammodramus henslowii	Henslow's Sparrow			S3N
Ammodramus leconteii	Le Conte's Sparrow			S3N
Ammodramus maritimus	Seaside Sparrow			S3
Ammodramus nelsoni	Nelson's Sharp-tailed Sparrow			S3N
Ammodramus savannarum	Grasshopper Sparrow			S3B,S3N

Anas fulvigula	Mottled Duck			S2B,S4N
Anas rubripes	American Black Duck			S2N
Anhinga anhinga	Anhinga			S3B,S1N
Asio flammeus	Short-eared Owl			S3N
Botaurus lentiginosus	American Bittern			S3N
Burmannia biflora	Northern Burmannia			S1
Calidris canutus	Red Knot			S2N
Calopogon multiflorus	Many-flower Grass-pink			S1
Carex verrucosa	Wartysedge			S1S2
Charadrius melodus	Piping Plover	LE,LT	LE	S2N
Charadrius wilsonia	Wilson's Plover			S1
Columbina passerina	Common Ground-Dove			S1S2
Coturnicops noveboracensis	Yellow Rail			S2N
Cyperus articulatus	Jointed Flatsedge			S1
Egretta caerulea	Little Blue Heron			S2B,S2N
Egretta rufescens	Reddish Egret			S2N
Egretta thula	Snowy Egret			S4B,S1N
Egretta tricolor	Tricolored Heron			S2B,S1N
Eudocimus albus	White Ibis			S2B,S3N
Euphagus carolinus	Rusty Blackbird			S2N
Falco peregrinus	Peregrine Falcon		LE	S1N
Fundulus jenkinsi	Saltmarsh Topminnow			S3
Haematopus palliatus	American Oystercatcher			S1
Haliaeetus leucocephalus	Bald Eagle			S2B,S2N
Hibiscus coccineus	Brilliant Hibiscus			S1S2
Himantopus mexicanus	Black-necked Stilt			S3B
Juniperus virginiana var. silicicola	Southern Red Cedar			S2
Lepidochelys kempii	Kemp's or Atlantic Ridley			S1N
Limosa fedoa	Marbled Godwit			S2N
Macrochelys temminckii	Alligator Snapping Turtle			S3
Macrodiplax balteata	Marl Pennant			S3
Malaclemys terrapin pileata	Mississippi Diamondback Terrapin			S2
Malaclemys terrapin pileata	Mississippi Diamondback Terrapin			S2
Mollusk reef	Oyster			S3
Nerodia clarkii clarkii	Gulf Salt Marsh Snake			S2
Nyctanassa violacea	Yellow-crowned Night-Heron			S3B,S1N
Pandion haliaetus	Osprey			S3B,S1S2N
Pelecanus erythrorhynchos	American White Pelican			S3N
Pelecanus occidentalis carolinensis	Eastern Brown Pelican			S1N

Physalis angustifolia	Coast Ground-cherry			S2
Physalis angustifolia	Coast Ground-cherry			S2
Picoides borealis	Red-cockaded Woodpecker	LE	LE	S1
Porphyrio martinica	Purple Gallinule			S3B
Rallus elegans	King Rail			S3
Rhadinaea flavilata	Pine Woods Snake			S2S3
Rhynchospora cephalantha	Capitate Beakrush			S3
Rhynchospora tracyi	Tracy's Beakrush			S1
Rynchops niger	Black Skimmer			S2B,S3N
Sarracenia leucophylla	Crimson Pitcher-plant			S2
Spiranthes brevilabris var. floridana	Florida Ladies'-tresses			S1S2
Thalasseus maximus	Royal Tern			S1B,S4N
Thalasseus sandvicensis	Sandwich Tern			S1B,S4N
Thryomanes bewickii	Bewick's Wren		LE	S2B,S3N

State Rank

S1 — Critically imperiled in Mississippi because of extreme rarity (5 or fewer occurrences or very few remaining individuals or acres) or because of some factor(s) making it vulnerable to extirpation.

S2 — Imperiled in Mississippi because of rarity (6 to 20 occurrences or few remaining individuals or acres) or because of some factor(s) making it vulnerable to extirpation.

S3 — Rare or uncommon in Mississippi (on the order of 21 to 100 occurrences).

State and Federal Status

LE Endangered — A species which is in danger of extinction throughout all or a significant portion of its range.

LT Threatened — A species likely to become endangered in foreseeable future throughout all or a significant portion of its range.

Based on information provided, we conclude that if best management practices are properly implemented, monitored, and maintained (particularly measures to prevent, or at least, minimize negative impacts to water quality), the proposed project likely poses no threat to listed species or their habitats.

Recommendations:

We recommend that best management practices be properly implemented, monitored, and maintained for compliance, specifically measures that will prevent suspended silt and contaminants from leaving the site in stormwater run-off as this may negatively affect water quality and habitat conditions within nearby streams and waterbodies.

Please feel free to contact us if we can provide any additional information, resources, or assistance that will help minimize negative impacts to the species and/or ecological communities identified in this review. We are happy to work with you to ensure that our state's precious natural heritage is conserved and preserved for future Mississippians.

Sincerely,

Kyle Swanier, Conservation Biologist
Mississippi Natural Heritage Program
(601) 576-6047

The Mississippi Natural Heritage Program (MNHP) has compiled a database that is the most complete source of information about Mississippi's rare, threatened, and endangered plants, animals, and ecological communities. The quantity and quality of data collected by MNHP are dependent on the research and observations of many individuals and organizations. In many cases, this information is not the result of comprehensive or site-specific field surveys; most natural areas in Mississippi have not been thoroughly surveyed and new occurrences of plant and animal species are often discovered. Heritage reports summarize the existing information known to the MNHP at the time of the request and cannot always be considered a definitive statement on the presence, absence or condition of biological elements on a particular site.

APPENDIX N

MISSISSIPPI DEPARTMENT OF ARCHIVES AND HISTORY

COMPTON ENGINEERING, INC.

ENGINEERING, SURVEYING & ENVIRONMENTAL SERVICES

1706 Convent Avenue
P.O. Box 686
Pascagoula, MS 39568

Phone: 228.762.3970
Fax: 228.769.9079

comptonengineering.com

June 13, 2017

Mr. Greg Williamson
Mississippi Department of Archives and History
Historic Preservation Division
P.O. Box 571
Jackson, MS 39205-0571

Re: City of Ocean Springs
Draft Facilities Plan for Wastewater System Improvements
(C.E. Job No.: 216-039.005)

Dear Mr. Williamson:

Enclosed please find a draft Facilities Plan for the City of Ocean Springs Wastewater System Improvements. The improvements consist of the rehabilitation of four (4) stations, the rehabilitation and replacement of sewer lines and manholes throughout the City, and installation of two (2) new force mains. All work is being performed on existing facilities or in existing rights-of-way.

Funding for this project through the Mississippi Department of Environmental Quality, Office of Pollution Control is imperative; therefore, we request that your office review the attached Facilities Plan and forward your comments back to me within 30 days.

If you have any questions, please advise.

Sincerely,

COMPTON ENGINEERING, INC.

W. Andrew Douglass, P.E.
Project Engineer

Enclosure

PASCAGOULA

BILOXI

BAY ST. LOUIS

MISSISSIPPI DEPARTMENT of ARCHIVES AND HISTORY

MDAH

HISTORIC PRESERVATION DIVISION
P. O. BOX 571
Jackson, MS 39205-0571
Phone 601-576-6940 Fax 601-576-6955
Website: mdah.ms.gov

July 26, 2017

RECEIVED
JUL 31 2017

Mr. W. Andrew Douglass
Compton Engineering
Post Office Box 686
Pascagoula, Mississippi 39568

RE: Job No. 216-039-005; Draft Facilities Plan for Wastewater System Improvements for the City of Ocean Springs, (MDEQ) MDAH Project Log #06-065-17, Jackson County

Dear Mr. Douglass:

We have reviewed your request for a cultural resources assessment, received June 15, 2017, for the above referenced project in accordance with our responsibilities under Section 106 of the National Historic Preservation Act and 36 CFR Part 800. After reviewing the information provided, it is our determination that Sheds 1, 5, and 88 are within or partially within the boundary of the Old Ocean Springs Historic District, which is listed in the National Register of Historic Places. However, it is our determination that there will be no adverse effect to cultural resources. Therefore, we have no objection with the undertaking.

If you have any questions, please do not hesitate to contact us at (601) 576-6940.

Sincerely,

Hal Bell

Hal Bell
Review and Compliance Officer

FOR: Katie Blount
State Historic Preservation Officer

APPENDIX O

U.S. FISHERIES AND WILDLIFE SERVICE

COMPTON ENGINEERING, INC.

ENGINEERING, SURVEYING & ENVIRONMENTAL SERVICES

1706 Convent Avenue
P.O. Box 686
Pascagoula, MS 39568

Phone: 228.762.3970
Fax: 228.769.9079

comptonengineering.com

June 13, 2017

Mr. David Felder
United States Department of the Interior
Fish and Wildlife Service
6578 Dogwood View Parkway, Suite A
Jackson, MS 39213

Re: City of Ocean Springs
Draft Facilities Plan for Wastewater System Improvements
(C.E. Job No.: 216-039.005)

Dear Mr. Felder:

Enclosed please find a draft Facilities Plan for the City of Ocean Springs Wastewater System Improvements. The improvements consist of the rehabilitation of four (4) stations, the rehabilitation and replacement of sewer lines and manholes throughout the City, and installation of two (2) new force mains. All work is being performed on existing facilities or in existing rights-of-way.

Funding for this project through the Mississippi Department of Environmental Quality, Office of Pollution Control is imperative; therefore, we request that your office review the attached Facilities Plan and forward your comments back to me within 30 days.

If you have any questions, please advise.

Sincerely,

COMPTON ENGINEERING, INC.

W. Andrew Douglass, P.E.
Project Engineer

Enclosure

PASCAGOULA

BILOXI

BAY ST. LOUIS

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Mississippi Ecological Services Field Office
6578 Dogwood View Parkway, Suite A
Jackson, Mississippi 39213
Phone: (601)965-4900 Fax: (601)965-4340

June 21, 2017

IN REPLY REFER TO:
2017-I-713

Mr. W. Andrew Douglass
Compton Engineering
1706 Convent Avenue
Pascagoula, Mississippi 39568

Dear Mr. Douglass:

The Fish and Wildlife Service (Service) has reviewed the information in your letter dated June 13, 2017, regarding the draft facilities plan for wastewater system improvements for the City of Ocean Springs in Jackson County, Mississippi. Our comments are submitted in accordance with the Endangered Species Act (ESA) (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.).

There are no known federally listed species or their habitats within the project area, therefore, the Service has determined that the proposed project will have "No Effect" on federally listed species. No further consultation under the ESA is required with this office unless there are changes in the scope or location of the proposed project.

If you have any questions, please contact David Felder in our office, telephone: (601) 321-1131, or visit our website at http://www.fws.gov/mississippiES/.

Sincerely,

for Stephen M. Ricks
Field Supervisor
Mississippi Field Office

APPENDIX P

DEPARTMENT OF MARINE RESOURCES

COMPTON ENGINEERING, INC.

ENGINEERING, SURVEYING & ENVIRONMENTAL SERVICES

1706 Convent Avenue
P.O. Box 686
Pascagoula, MS 39568

Phone: 228.762.3970
Fax: 228.769.9079

comptonengineering.com

June 13, 2017

Ms. Willa Brantley
Department of Marine Resources
1141 Bayview Avenue, Suite 101
Biloxi, MS 39530

Re: City of Ocean Springs
Draft Facilities Plan for Wastewater System Improvements
(C.E. Job No.: 216-039.005)

Dear Ms. Brantley:

Enclosed please find a draft Facilities Plan for the City of Ocean Springs Wastewater System Improvements. The improvements consist of the rehabilitation of four (4) stations, the rehabilitation and replacement of sewer lines and manholes throughout the City, and installation of two (2) new force mains. All work is being performed on existing facilities or in existing rights-of-way.

Funding for this project through the Mississippi Department of Environmental Quality, Office of Pollution Control is imperative; therefore, we request that your office review the attached Facilities Plan and forward your comments back to me within 30 days.

If you have any questions, please advise.

Sincerely,

COMPTON ENGINEERING, INC.

W. Andrew Douglass, P.E.
Project Engineer

Enclosure

PASCAGOULA
BILOXI
BAY ST. LOUIS

RECEIVED
JUN 22 2017

STATE OF MISSISSIPPI
Phil Bryant
Governor

MISSISSIPPI DEPARTMENT OF MARINE RESOURCES
Jamie M. Miller, Executive Director

June 19, 2017

W. Andrew Douglass, P.E.
Compton Engineering, Inc.
P.O. Box 686
Pascagoula, MS 39568

RE: DMR-170333; City of Ocean Springs, Draft Facilities Plan for Wastewater System Improvements

Dear Mr. Douglass:

The Department of Marine Resources in cooperation with other state agencies is responsible under the Mississippi Coastal Program (MCP) for managing the coastal resources of Mississippi. Proposed activities in the coastal area are reviewed to ensure that the activities are in compliance with the MCP.

The Department has received your request prepared for the City of Ocean Springs to review the proposed wastewater system improvements in Ocean Springs, Jackson County, Mississippi. Please note that construction of wastewater lines through wetlands, canals, or bayous is an activity that is regulated by this office as well as the U.S. Army Corps of Engineers. If such wetland impacts are anticipated, an application form should be submitted to this office for review of the proposed project.

We ask that impacts to wetlands be avoided and minimized wherever possible. Crossing of creeks or bayous by directional drilling is preferable to more invasive installation methods as are temporary impacts with wetland restoration following line installation. Routes should be designed to avoid impacts to wetlands where practicable and to minimize impacts where unavoidable. Thank you for the opportunity to comment on your project.

For more information, questions concerning this correspondence, to obtain an application packet, or to schedule a pre-application meeting, contact Chris Pickering with the Bureau of Wetlands Permitting at (228) 523-4117 or chris.pickering@dmr.ms.gov.

Sincerely,

Willa J. Brantley
Bureau Director, Wetlands Permitting

WJB/csp

APPENDIX Q

JACKSON COUNTY UTILITY AUTHORITY

COMPTON ENGINEERING, INC.

ENGINEERING, SURVEYING & ENVIRONMENTAL SERVICES

1706 Convent Avenue
P.O. Box 686
Pascagoula, MS 39568

Phone: 228.762.3970
Fax: 228.769.9079

comptonengineering.com

June 13, 2017

Mr. Chase Glisson, P.E.
Jackson County Utility Authority
1225 Jackson Avenue
Pascagoula, MS 39567

Re: City of Ocean Springs
Draft Facilities Plan for Wastewater System Improvements
(C.E. Job No.: 216-039.005)

Dear Mr. Glisson:

Enclosed please find a draft Facilities Plan for the City of Ocean Springs Wastewater System Improvements. The improvements consist of the rehabilitation of four (4) stations, the rehabilitation and replacement of sewer lines and manholes throughout the City, and installation of two (2) new force mains. All work is being performed on existing facilities or in existing rights-of-way.

Funding for this project through the Mississippi Department of Environmental Quality, Office of Pollution Control is imperative; therefore, we request that your office review the attached Facilities Plan and forward your comments back to me within 30 days.

If you have any questions, please advise.

Sincerely,

COMPTON ENGINEERING, INC.

W. Andrew Douglass, P.E.
Project Engineer

Enclosure

PASCAGOULA

BILOXI

BAY ST. LOUIS

JACKSON COUNTY UTILITY AUTHORITY
Serving the People...Protecting the Environment

Directors
Kevin Coggin ▪ Jackson County
Tommy Eldridge ▪ Jackson County
Andrew J. Elly ▪ Moss Point
Kevin Miller ▪ Jackson County
Michael R. Murphy ▪ Pascagoula
Ken Papania ▪ Ocean Springs
Marshall Smith ▪ Gautier

June 22, 2017 Doc. #-41020

Mr. Andy Douglass, P.E.
Compton Engineering, Inc.
P.O. Box 686,
Pascagoula, MS 39568

Re: City of Ocean Springs
Draft Facilities Plan for Wastewater System Improvements - 2017

Dear Mr. Douglass,

The Authority is in receipt of the draft facilities plan dated June 2017 including projects proposed to reduce infiltration & inflow, sanitary sewer overflows, and operation & maintenance costs within the City's collection system, in turn reducing operation and maintenance costs incurred by the Jackson County Utility Authority. The Authority encourages similar plans be submitted routinely to allow the City and the Authority to work concurrently toward meeting the goals identified in each plan. Reviewing the recommendations included within the City's Wastewater Facilities Plan for 2017, the Authority requests the following information be provided in order to complete review and provide requested comments:

- Estimated population, existing station capacities, and proposed capacities of stations to be upgraded for each sewer shed that will receive upgrades as part of the referenced plan.

- Additional information or reference to the wastewater transportation & treatment system expansion referenced on pg. 6 of the plan.

As the Authority works to complete review of proposed upgrades to its Stuart (PS#1), Pine (PS#2), and Bechtel (PS#3) stations that serve areas of Ocean Springs, the Authority requests the City review potential of routing existing flows within the collection system away from Stuart and Pine sewer sheds and to the Bechtel (PS#3) and Bechtel/Government (PS#4) sewer shed where available JCUA collection and transmission capacities currently remain. Doing so would allow the Authority to reduce extent of required station upgrades to its systems, resulting in reduced costs to the Authority and its stakeholders. If these options have already been exhausted, please confirm.

Upon receipt of the requested information, the Authority will complete requested review and comment. Should there be any questions or concerns, please advise.

Sincerely,

Chase Glisson, P.E.
Engineering Manager, JCUA

cc: James Foster, City of Ocean Springs Public Works
Bradley Crain, P.E., MSDEQ

1225 Jackson Avenue, Pascagoula, Mississippi 39567
Phone: (228) 762-0119 • Fax: (228) 762-7927 • www.jcua-ms.us

COMPTON ENGINEERING, INC.

ENGINEERING, SURVEYING & ENVIRONMENTAL SERVICES

1706 Convent Avenue
P.O. Box 686
Pascagoula, MS 39568

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Fax: 228.769.9079

comptonengineering.com

PASCAGOULA

BILOXI

BAY ST. LOUIS

September 8, 2017

Mr. Chase Glisson, P.E.
Jackson County Utility Authority
1225 Jackson Avenue
Pascagoula, MS 39567

Re: City of Ocean Springs
Draft Facilities Plan for Wastewater System Improvements
(C.E. Job No.: 216-039.005)

Dear Mr. Glisson:

In response to your letter dated June 22, 2017 regarding the above referenced project, please see responses to your request for additional information below.

- Provide estimated population, existing station capacities, and proposed capacities of stations to be upgraded for each sewer shed that will receive upgrades as part of the referenced plan.
  - Please refer to the attached spreadsheet for estimated population and station capacities for the sewer sheds receiving upgrades. Upgrades anticipated for these stations are limited to structural, piping, and other upgrades to address deterioration of the system over time. An increase in pumping capacity for the stations is not anticipated at this time.

- Provide additional information or reference to the wastewater transportation and treatment system expansion referenced on pg. 6 of the plan.
  - At this time, no plan for additional wastewater transportation or treatment system expansion is anticipated. This statement in the plan is explaining the need for addressing groundwater leaks within the system, which, if not addressed over time, could result in a need for additional measures to handle the hydraulic load. By improving the areas reflected in the plan, the City hopes to reduce the overall hydraulic load on the system by addressing groundwater leaks.

- Authority requests the City review potential of routing existing flows within the collection system away from Stuart and Pine sewer sheds and to the Bechtel (JCUA PS#3) and Bechtel/Government (JCUA PS#4) sewer sheds where available JCUA collection and transmission capacities currently remain.
  - The City of Ocean Springs is willing to work with the Jackson County Utility Authority to coordinate future improvements in this area. At this time, the City does not anticipate including rerouting of flows in this area within the scope of this plan, but is open to evaluating for future improvements in the City.

If you have any questions, please advise.

Sincerely,

COMPTON ENGINEERING, INC.

W. Andrew Douglass, P.E.
Project Engineer

Enclosure

S:\Pascagoula\0-Projects\2016\216-039 City of Ocean Springs\216-039.005 Wastewater Facilities Plan\Docs\Design\Facilities Plan\Appendices\Q - JCUA Ltr 9-8-17.doc

SEWER SHED INFORMATION REQUESTED BY JCUA
9/6/17

Sewer Shed (Phase 1)	Estimated # of Connections in Sewer Shed	Estimated Total Upstream Connections	Current Pump Rates (gpm)
1	481	764	460
5	68	70	129
9	174	186	81
11	199	699	243
79	3	3	31
87	35	140	236
88	101	865	470

Sewer Shed (Future Phases)	Estimated # of Connections in Sewer Shed	Estimated Total Upstream Connections	Current Pump Rates (gpm)
2	10	10	24
8	80	99	63
20	54	68	42
22	108	167	111
28	139	156	77
44	77	77	99

JACKSON COUNTY UTILITY AUTHORITY
Serving the People... Protecting the Environment

Directors
Kevin Coggin • Jackson County
Thomas Eldridge • Jackson County
Andrew J. Elly • Moss Point
Kevin Miller • Jackson County
Michael R. Murphy • Pascagoula
Jerry Munro • Ocean Springs
Marshall Smith • Gautier

RECEIVED
JUN 05 2018

May 29, 2018

Doc #41392

Mr. Andy Douglass, P.E.
Compton Engineering, Inc.
P.O. Box 686
Pascagoula, MS 39568

Re: City of Ocean Springs
Draft Facilities Plan for Wastewater System Improvements – 2017

Dear Mr. Douglass,

The Authority is in receipt of your response dated September 8, 2017. The Authority has reviewed the proposed impacts to the wholesale wastewater collection system and has no objection to the City's Plan for proposed wastewater improvements.

If the Authority can provide any additional information or data to support the proposed improvements, please do not hesitate to call.

Sincerely,

Chase Glisson, P.E.
Engineering Manager, JCUA

cc: Mr. Shea Dobson, Mayor – City of Ocean Springs
Mr. John Russell, Public Works Director – City of Ocean Springs

APPENDIX R

DEPARTMENT OF ENVIRONMENTAL QUALITY

COMPTON ENGINEERING, INC.
Engineering, Surveying & Environmental Services

Post Office Box 686
Pascagoula, Mississippi 39568-0686
Phone (228) 762-3970
Fax (228) 769-9079
compton@comptonengineering.com

LETTER OF TRANSMITTAL

PROJECT:

**CITY OF OCEAN SPRINGS –
WASTEWATER FACILITIES PLAN**

TO: **VIA FEDERAL EXPRESS**

Mr. Greg Eiler, Program Support Coordinator
MS Department of Environmental Quality
Office of Pollution Control
P.O. Box 2261
Jackson, MS 39225-2261

DATE: May 10, 2017

CE PROJECT NUMBER: **216-039.005**

WE ARE SENDING: ☐ Plans ☐ Specifications ☐ Letter ☐ Prints
☐ Addendums ☐ Change Orders ☐ Field Orders ☐ Drawings ☐ Photos
☐ Attached ☑ Other _____

COPIES	DATE	NO.	DESCRIPTION	
1			**Original** NPELF2 Request for Ranking Form for your review and comment or approval.	

Transmitted: ☐ For signature ■ For your use ☐ As requested ☐ Sign and return

Remarks:	

pc: File

NOTE: Submittal and shop drawing review is for general compliance with the contract documents. No responsibility is assumed for correctness of dimensions, quantities or details.

By: W. Andrew Douglass, P.E.
Project Engineer

RECEIVED BY:

Name _____ Date _____

If attachments are not as noted, please advise at once.

This transmittal is confidential and is intended solely for the use of the recipient (the part to whom it is addressed). This message may contain material protected by the attorney-client privilege. If you are not the intended recipient, be advised that you have received this transmittal in error and that any use, dissemination, forwarding, printing, or copying of this transmittal is strictly prohibited.

MISSISSIPPI COMMISSION ON ENVIRONMENTAL QUALITY
WATER POLLUTION CONTROL REVOLVING FUND LOAN FUND PROGRAM
FOR WASTEWATER, STORMWATER, AND NON-POINT SOURCE
POLLUTION CONTROL PROJECTS

REQUEST FOR RANKING AND CONSIDERATION FOR FUNDING ON PRIORITY SYSTEM/LIST

1. Fiscal Year Ranking/Funding Desired (Check one):

FY-2017	FY-2018	FY-2019
☐ (10/1/16 – 9/30/17)	■ (10/1/17 – 9/30/18)	☐ (10/1/18 – 9/30/19)

2. Name, address, phone number(s), and email address of public entity requesting ranking.

Name: City of Ocean Springs
Address: P.O. Box 1800
City: Ocean Springs State: MS Zip Code: 39566

Telephone Number: (228) 875-4236
Fax Number: (228) 875-9671
Email Address: jfoster@oceansprings-ms.gov

3. Name, title, address, phone number(s), and email address of person authorized by public entity to request ranking.

Name: James Foster
Title: Interim Public Works Director
Address: P.O. Box 1800
City: Ocean Springs State: MS Zip Code: 39566

Telephone Number: (228) 875-4236
Fax Number: (228) 875-9671
Email Address: jfoster@oceansprings-ms.gov

4. Description of each water pollution control project for which ranking is requested. (Check the appropriate box below.)

☐ Segmented Project – any remaining segment(s) of projects that previously received funding for an integral portion of that project, and that are necessary to make the previously funded segments operable.

☐ Raw Discharge Correction Project – project for communities with sewage collection but no treatment facilities.

☐ Existing Facilities Upgrades (Not Meeting Final Limits) Project – project including only the upgrade, expansion, replacement, rehabilitation, and repair (including infiltration/inflow removal) of existing wastewater transportation and treatment facilities, or drinking water sludge discharge treatment facilities, and necessary to bring the existing treatment facility into compliance with final effluent limitations, or to eliminate existing treatment facilities not meeting final limits.

☐ Non-point Source and Stormwater Pollution Correction Project – project which may include program costs, conservation easements, sedimentation basins, levees, canals and other structures for the purpose of correcting non-point and storm water sources of pollution.

☐ New Collection (Existing Buildings) Project – project that is necessary to construct eligible sewers and treatment facilities for existing (at the time of facilities plan submittal) residences, business and public buildings. Projects in this category may not include the construction of wastewater treatment or transportation facilities to serve areas that are not now developed.

☐ Wastewater Overflow/Bypass Elimination Project – project including only the replacement, rehabilitation, and/or repair of existing transportation facilities that are necessary to eliminate documented bypasses and/or overflows of raw sewage from these transportation facilities for a 2 year, 24-hour rainfall event, as documented in the facilities plan for the project and approved by the Department. To be eligible for this category the bypasses and/or overflows documented in the facilities plan must have been reported, by the deadline for submission of the facilities plan, to the Department in accordance with the requirements of the loan applicant's NPDES permit.

■ Existing Facilities Upgrade (Meeting Final Limits) Project – project for the upgrade, expansion, replacement, rehabilitation, and repair of existing wastewater treatment and transportation facilities, including the removal of infiltration/inflow. The scope of these projects may not include the construction of new wastewater treatment or transportation facilities where none now exists.

☐ New Facilities (Developmental) Project - project may include the expansion or upgrade of existing wastewater treatment and transportation facilities and the construction of new wastewater treatment and transportation facilities to accommodate or encourage future growth within the design flow for the planning area to be served.

☐ Industrial Project - facilities to be built or upgraded under this category must be owned and constructed by a WPCRLF loan eligible public entity and may include industrial wastewater treatment and transportation facilities.

☐ Green Projects – Provisions similar to those included in the American Recovery and Reinvestment Act of 2009 regarding the "Green Project Reserve (GPR)" are also associated with the FY-2010 through FY-2016 CWSRF appropriations; thus, additional priority is being given and incentives made available to help ensure that some specified portion of the appropriated funds are awarded to such GPR projects. Check the appropriate boxes below if the project (or components of the project) for which you are requesting ranking would qualify as green infrastructure, water or energy efficiency, or environmentally innovative.

- ☐ Water Efficiency Projects – the use of improved technologies and practices to deliver equal or better services with less water. This encompasses conservation and reuse efforts.
- ☐ Energy Efficiency Projects – the use of improved technologies and practices to reducethe energy consumption of water quality projects to be able to achieve a 20% net energy reduction, use energy in a more efficient way, and/or produce/utilize renewable energy.
- ☐ Green Infrastructure (Wet Weather) Projects – include a wide array of practices at multiple scales that manage wet weather and that maintain and restore natural hydrology by infiltrating, evapotranspiring and harvesting and using stormwater. On a regional scale, green infrastructure is the preservation and restoration of natural landscape features, such as

forests, floodplains and wetlands, coupled with policies such as infill and redevelopment that reduce overall imperviousness in a watershed. On the local scale green infrastructure consists of site – and neighborhood – specific practices, such as bioretention, trees, green roofs, permeable pavements and cisterns.

☐ Environmentally Innovative Projects – projects that demonstrate new and or innovative approaches to delivering services or managing water resources in a more sustainable way.

Note that when preparing the project facilities plan, you must include all information needed to make the "business case" confirming that the project does qualify, in order to be eligible for additional priority or incentives that may be available. For additional EPA guidance information on GPR, the types of projects that qualify, business cases, etc. please refer to EPAs 2012 CWSRF 10% Green Project Reserve: Guidance for Determining Project Eligibility which can be found on the MDEQ web site by going to Programs, Loans, Water Pollution Control State Revolving Fund and look under Documents.

Briefly describe the project(s) for which you are requesting ranking and consideration for funding. If the project falls into more than one of the above categories, a separate description for the facilities under each category must be given.

Proposed improvements consist of rehabilitation and/or replacement of existing facilities throughout the system including point repairs, manhole lining and replacement, pipe lining and replacement, and pump station rehabilitation.

5. If new sewer collection lines to serve existing buildings are included in a project, provide the number of existing unsewered residences, public buildings and businesses to be served for each individual drainage basin within the loan recipient's jurisdiction.

Drainage Basin	Number of Connections
N/A	N/A

6. If a project will eliminate existing treatment facility discharges (either public or private), provide below the name and NPDES permit number of all discharges to be eliminated for each project.

Permit Number	Facility Name
MS N/A	N/A
MS	

7. Estimated Wastewater Flow:*

For this project:	0.50	MGD
For the entire system:	1.80 (avg)	MGD
Eliminated/Conserved by this project:	N/A	MGD

8. Environmental Benefits: Describe the environmental benefits that are expected to be realized once this project is completed. (Check the applicable boxes below): *

Contributes to water quality: ☐ improvements ☐ maintenance ☒ not applicable

Allows the system to: ☐ meet standards ☒ maintain compliance ☐ not applicable

Allows the system to address: ☒ existing TMDL ☐ projected TMDL ☐ watershed management plan

Other benefits: _____

9. Project Detail Information, if known:

Desired Date of Loan Award: January 2018 (No Later Than 9/30/17 for FY-17 Funding)

Desired Construction Start Date: February 2018

Estimated Construction Time: 360 days

Estimated Design Life of this Project: 40 years

10. Estimate of total eligible cost of each project, including the following costs:

	WPCRLF Loan	Other Funds	Total
Construction Cost	$ 3,900,000	$ -	$ 3,900,000
10% Construction Contingency	$ 390,000	$ -	$ 390,000
Planning Cost	$ 33,000	$ -	$ 33,000
Design Cost	$ 298,000	$ -	$ 298,000
Land Acquisition Cost	$ 0	$ -	$ 0
Construction Phase Services	$ 337,000	$ -	$ 337,000

Total Eligible WPCRLF Costs $ 4,958,000

Expected Source of Other Funds: N/A

Use WPCRLF loan program regulations effective December 19, 2004 for definition of eligible costs.

11. Name, address and telephone number(s) and email address of entity's consulting engineer(s) on the project, if known.

Name: David Compton / Andy Douglass (Compton Engineering, Inc.)
Address: P.O. Box 686
City: Pascagoula, MS 39568
Telephone Number: (228) 762-3970
Fax Number: (228) 769-9079
Email Address: david@comptonengineering.com / adouglass@comptonengineering.com

12. Name, address and telephone number(s) and email address of entity's legal counsel who will assist with land acquisition or other work, if known.

Name: Dogan & Wilkinson (Kevin Melchi)
Address: 734 Delmas Avenue
City: Pascagoula, MS 39568-1618
Telephone Number: (228) 762-2272
Fax Number: (228) 762-3223
Email Address: kmelchi@dwwattorneys.com

I understand that the complete WPCRLF facilities plan must be submitted by January 15, 2017; including a completed Cost and Effectiveness Certification, all IGR agency comments, a copy of the public notice for the proposed project, copies of any comments received from the public, and a summary of how each comment was addressed, if the above referenced project(s) are to be ranked and considered by the Commission for funding on the FY-17 Priority List in accordance with the Priority System. I understand that the Water Pollution Control Revolving Loan Fund Program Regulations for Projects Awarded on or after December 19, 2004, and the "Guidance For Water Pollution Control Revolving Loan Fund Projects Funded Beginning Federal FY 2016 (October 1, 2015 and After)" must be complied with during the planning, design and construction of such projects. I also understand that the loan interest rate will not be reduced after the original loan award.

I understand that if the applicant has existing debt with the Rural Utilities Service (formerly Farmers Home Administration) a copy of the WPCRLF facilities plan should be submitted to the Rural Utilities Service, along with a request for their approval to incur this additional debt.

James C. Foster
Signature of Authorized Official

Interim Director of Public Works
(Title)

May 9, 2017
(Date)

* Responses to questions 7 & 8 are needed to help us address EPA Environmental Benefits Reporting Requirements. Your help in providing this information is greatly appreciated.

MAIL TO:

ATTN: GREG EILER, PROGRAM SUPPORT COORDINATOR
MS DEPARTMENT OF ENVIROMENTAL QUALITY
OFFICE OF POLLUTION CONTROL
P. O. BOX 2261
JACKSON, MS 39225-2261

COMPTON ENGINEERING, INC.

ENGINEERING, SURVEYING & ENVIRONMENTAL SERVICES

1706 Convent Avenue
P.O. Box 686
Pascagoula, MS 39568

Phone: 228.762.3970
Fax: 228.769.9079

comptonengineering.com

PASCAGOULA

BILOXI

BAY ST. LOUIS

June 13, 2017

Ms. Jennifer Wood, Project manager
MS Department of Environmental Quality
P.O. Box 2261
Jackson, MS 39225-2261

Re: City of Ocean Springs
Draft Facilities Plan for Wastewater System Improvements
(C.E. Job No.: 216-039.005)

Dear Ms. Wood:

Enclosed please find two (2) copies of a draft Facilities Plan for the City of Ocean Springs Wastewater System Improvements. The improvements consist of the rehabilitation of four (4) stations, the rehabilitation and replacement of sewer lines and manholes throughout the City, and installation of two (2) new force mains. All work is being performed on existing facilities or in existing rights-of-way.

Funding for this project through the Mississippi Department of Environmental Quality, Office of Pollution Control is imperative; therefore, we request that your office review the attached Facilities Plan and forward your comments back to me within 30 days.

If you have any questions, please advise.

Sincerely,

COMPTON ENGINEERING, INC.

W. Andrew Douglass, P.E.
Project Engineer

Enclosure

STATE OF MISSISSIPPI

PHIL BRYANT

GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

GARY C. RIKARD, EXECUTIVE DIRECTOR

July 14, 2017

Mr. James Foster, Interim Director of Public Works
City of Ocean Springs
P.O. Box 1800
Ocean Springs, MS 39566

Dear Mr. Foster:

Re: City of Ocean Springs
Wastewater System Improvements
Facilities Plan: First Submittal
SRF-C280752-03

The Mississippi Department of Environmental Quality has completed review of the referenced facilities plan for conformance with the Water Pollution Control Revolving Loan Fund (WPCRLF) Regulations and the Guidance for Water Pollution Control Revolving Loan Fund Projects Funded Beginning Federal FY 2016 (October 1, 2015 and After) (WRRDA). Our comments are as follows:

1. Please reference the project number shown above on all future submittals and correspondences.

2. The facilities plan should be stamped, signed, and dated by a Professional Engineer registered in Mississippi. (Re: WPCRLF Reg. Rule 7.3.A(1))

3. Cost and Effectiveness {WRRDA Section 5002(4)}: The Cost and Effectiveness Certification (Attachment 7, PWFC96) (enclosed) must be signed and dated by the Authorized Representative and Engineer. Please include in your next submittal.

4. Section VI.C: The plan must contain a comparative evaluation of the "no action" alternative and the proposed alternative which specifically accounts for existing and future beneficial and adverse consequences that each alternative would have on the listed resources. The comparative evaluation should also include any sensitive environmental issues that are identified during management of the project or through public participation [Environmental Review {WRRDA Section 5002(1)}.

5. Section VII.B: Where interlocal entities are involved and/or capacity is being provided for significant users, the plan must outline the various responsibilities for financing,

constructing, operating, and maintaining the treatment works. Districts or other authorities which do not control the local water system must obtain an interlocal agreement with the local water system owner to shut off water for nonpayment of sewer bills. Otherwise, the Department may not award a loan unless other adequate security for loan repayment is demonstrated. Note that any required interlocal agreements will be due with the loan application.

6. Page 3, Paragraph 2: Please provide a brief written description of the specific locations of the proposed project as shown on the map (e.g., part of the city, nearby roads, etc.).

7. Page 10: Please provide the customer base (residential and commercial) for each zip code area (i.e., 39564, 39565, and 39566).

8. Page 27: Under the Construction Cost Breakdown for the 'Sewer Pumping Station Rehabilitation/Replacement', shouldn't the units for Item No. 4 be "LS" rather than "EA"? Please correct accordingly. Also, please discuss and include the cost breakdown of any future phases that the City plans to pursue.

9. Page 28: Please include the shed numbers for the force main to be replaced under Phase 1.

10. Page 31: Please revise the verbiage under Section 1 to say "A public notice for the public hearing (at least 30 days prior to the hearing date) regarding the proposed project..." and "A copy of the public notice for the public hearing and proof of publications..."

11. Appendix B: EPA Form 4700-4 must be signed and dated for our review/comments (if any) and EPA approval. Please include in your next submittal.

12. Appendix E: Financial Capability Summary:

    a. According to page 29 of the plan, there will be a 3% yearly increase in user fees and subsidization from the water budget. Please update the Financial Capability Summary to reflect these items.

    b. Item 6, "User Charges": Please provide the monthly usage in (1000 gal) for the given rates for Class 1 and Class 2 users. Further, please revise the proposed user charge calculation (if needed) for both classes.

    c. Item 7, "Sources of Annual Revenue": The Connection Fees in the amount of $55,000 is not considered a steady source of revenue since it varies yearly and is not expected to be collected on an ongoing basis throughout the life of the project. Please revise accordingly. Also, please explain the source of the Other (miscellaneous) revenue of $376,762.

13. Appendices I, J, and K: Please publish the notice of public hearing upon receipt of all IGR responses, including any comments that must be addressed in the plan. Also, the plan must include proof that the public notice of the hearing was published in a newspaper of general circulation in the project area at least 30 days prior to the hearing date and the minutes from

the hearing, including any public comments. Topics to be discussed at the hearing include the facilities to be built, why they are needed, where they will be built, how much they will cost, the average monthly user charge, and any environmental impact.

14. Appendices L-Q: Please include responses from all applicable IGR agencies in your next submittal, including any adverse comments and an indication of all permits/survey clearances that will be required. Please note that IGR permits/clearances or copies of letters from appropriate IGR agencies which state that no permits or clearances are required must be included in the Loan Application [WPCRLF Reg. Rule 7.3.B(2)(h)].

15. There is some "green" verbiage included in the planning document that may have been carried over accidentally from a previous submittal. Please note that this project is not qualified for "green" status (i.e., at least 25% of the scope of the work must qualify as "green" as determined by EPA's '2012 CWSRF 10% Green Project Reserve: Guidance for Determining Project Eligibility'). (copy enclosed)

Farmland Protection Policy Act (FPPA; Cross-Cutter): Due to its location in an urbanized area, the project has been screened from FPPA review. Find enclosed the 2010 Census-Urbanized Area Reference Map: Gulfport, MS. Please add this information to your planning files for future reference.

Once the above items are resolved, we will prepare a Finding of No Significant Impact (FONSI) and/or a Categorical Exclusion (CE) for the project in accordance with WPCRLF Regulations Appendix B. After the FONSI/CE has cleared its required public notice period and all items above are resolved, the facilities plan can be formally approved. We appreciate the City's continued interest in the WPCRLF Program. If you should have any questions, please call Jennifer Wood at 601-961-4254.

Sincerely,

Sam T. Qarqish, P.E. BCEE
Construction Branch

Enclosures:
Cost and Effectiveness Certification (Attachment 7, PWFC96)
Attachment 2: 2012 Clean Water State Revolving Fund 10% Green Project Reserve: Guidance
2010 Census-Urbanized Area Reference Map: Gulfport, MS

cc: David Compton, PE, Compton Engineering, Inc. (w/enclosures)
Andy Douglass, PE, Compton Engineering, Inc. (w/enclosures)

STATE OF MISSISSIPPI

PHIL BRYANT

GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

GARY C. RIKARD, EXECUTIVE DIRECTOR

MEMORANDUM

TO: Mayors, Public Works Directors, Presidents of County Boards of Supervisors, County Administrators, Water/Wastewater/Utility District/Authority Directors, Consulting Engineers, and Other Interested Parties

FROM: MS Department of Environmental Quality (MDEQ)
Office of Pollution Control
Surface Water Division/Construction Branch

SUBJECT: **Water Pollution Control Revolving Loan Fund (WPCRLF)**
FY-2018 Priority System/Funding Schedule/Supplemental Guidance Reminder
FY-2018 Funds Availability
Additional Subsidy Funding In FY-2018
Green Project Solicitation
Emergency Loan Funding
Matrix of Additional Funding Sources

DATE: March 15, 2017

FY-2018 PRIORITY SYSTEM/FUNDING SCHEDULE

Now is the time to begin project planning for the FY-2018 funding cycle. If you are an eligible loan applicant (any county, municipality, public utility, authority, district, political subdivision or other governmental units created under state law) and are interested in receiving WPCRLF loan funding for a wastewater, stormwater, or non-point source pollution control project, please note the following actions that need to be taken in order for your project(s) to be considered for funding during FY-2018:

As Soon As Possible, procure the services of a Mississippi-licensed professional engineer and, if necessary, request and attend a pre-planning conference with MDEQ staff. **Please note that Federal Procurement now applies to engineering services.** All WPCRLF-funded contracts for program management, construction management, feasibility studies, preliminary engineering, design, engineering, surveying, mapping, or architectural related services are now required to be negotiated in the same manner as a contract for architectural and engineering services is negotiated under 40 U.S.C. 1101 et seq.

By May 15, 2017, complete and submit an FY-2018 "Ranking Form."

Note: If a Ranking Form was previously submitted, but the project was not funded, and the previously submitted information doesn't need to be updated, a new Ranking Form does not need to be submitted. But you must contact our Program Support Coordinator, Greg Eiler (contact information below), as soon as possible to confirm that we have the previous Ranking Form information, and that the project will be proceeding in FY-2018.

By June 15, 2017, complete and submit the draft facilities plan to the Inter-Governmental Review (IGR) agencies for their review and comments. The draft facilities plan may also be submitted to MDEQ at this time, in order to expedite the review.

By August 15, 2017, provided you have received the IGR agency comments, publish a public notice for the project public hearing (at least 30 days prior to the hearing date) in a local newspaper. The notice/hearing must give the public an opportunity to review and comment on the proposed project and to examine all environmental review documents.

By September 15, 2017, hold the public hearing.

By October 15, 2017, [Priority System Deadline] submit a complete WPCRLF facilities plan to MDEQ:

The facilities plan must be prepared in accordance with the WPCRLF Loan Program regulations effective for loans on or after December 19, 2004, and the supplemental guidance for FY-2016 and after projects (described below). Only those projects which meet this **October 15,** 2017, deadline will be ranked on the FY-2018 Priority List. Those with late or incomplete plans which do not meet the deadline will be listed on the FY-2019 and After Planning List.

By March 1, 2018, [Priority System Deadline] a completed WPCRLF loan application and all associated documents required by the WPCRLF regulations and the supplemental guidance for FY-2016 and after projects (described below) must be submitted to MDEQ.

By August 1, 2018, [Priority System Deadline] all approvable documents and responses to MDEQ comments necessary for loan award must be submitted to MDEQ for review and approval.

SUPPLEMENTAL GUIDANCE FOR FY-2016 AND AFTER PROJECTS

Please remember that the supplemental guidance document entitled, "GUIDANCE FOR WATER POLLUTION CONTROL REVOLVING LOAN FUND PROJECTS FUNDED BEGINNING FEDERAL FY 2016 (OCTOBER 1, 2015, AND AFTER)," must be used in conjunction with the previously existing program checklists/guidance and WPCRLF Regulations to ensure that all currently applicable program requirements are met. This supplemental guidance document is available for viewing/downloading on MDEQ's WPCRLF Program webpage.

FUNDS AVAILABILITY FOR FY-2018

Available WPCRLF funds in any given year consist of repayments from previous years' loans, EPA capitalization grants (which are based on Mississippi's allotment of the annual CWSRF Congressional appropriations), and the state matching funds required to secure the capitalization grants. WPCRLF repayments currently total ~$30 million per year, capitalization grant amounts are typically ~$12 million to $13 million per year, and the required state match (20% of the capitalization grant) ~$2.4 million to $2.6 million per year. Additional funds may also become available due to loan decreases, early payoff of existing loans, and unobligated funds carried over from the prior year. Depending on federal appropriations, and the amount of state match funding authorized by the Legislature, we currently anticipate FY-2018 funds availability to be in the range of $50 million to $75 million.

ADDITIONAL SUBSIDY FUNDING MAY BE AVAILABLE IN 2018

We also anticipate that some subsidy ("principal forgiveness") funding will be available during FY-2018; but, it is difficult to predict in what amounts at this time. Again, depending on federal appropriations, and the amount of state match funding authorized by the Legislature, approximately $3.5 million of additional subsidy funding could be available from the FY-18 capitalization grants. The following "affordability criteria" has been established to determine the subsidy eligibility and ranking of projects:

1) The community must be a "Small/Low Income Community" with a population of 3,000 or less, and Median Household Income (MHI) of $30,000 or less.
2) If the community's population is confirmed to have been declining for the last three consecutive years, it will receive one "subsidy point."
3) If the community's unemployment rate is confirmed to have been increasing for the last three consecutive years, it will receive one "subsidy point."
4) If the project is confirmed to be in an economically distressed area (per Section 301 of 42 USC 3161), it will receive one "subsidy point."
5) The qualifying projects will be ranked for subsidization first based on highest to lowest number of "subsidy points," and then from lowest to highest MHI.

Projects ranked within the available subsidy funds, will be eligible to receive subsidization of 75% of the loan amount, up to a maximum subsidy amount of $1,000,000.

GREEN PROJECT RESERVE SOLICITATION

MDEQ is continuing to solicit funding requests for projects, and/or portions of projects, which qualify for the "Green Project Reserve" (GPR). Qualifying GPR projects are given higher funding priority within each category of the WPCRLF Priority System. Consistent with the EPA's guidance and the WPCRLF program regulations, a GPR project is a water pollution control project that falls into one of the following four categories: 1) green infrastructure, 2) water efficiency, 3) energy efficiency, or 4) environmentally innovative. Within each of these categories, projects (or components of projects) may either qualify categorically, or be demonstrated to qualify based on a business case documenting the related green

benefits. Details regarding the types of projects which qualify categorically, which require business cases, and the contents of a business case, are outlined in EPA's 2012 CWSRF 10% Green Project Reserve: Guidance for Determining Project Eligibility, which is available for viewing/downloading on MDEQ's WPCRLF Program webpage.

[UPDATE: We understand that EPA recently made the determination that business case documentation will no longer be required, and that they are in the process of revising the GPR Guidance. We will make this revised guidance available on the MDEQ's WPCRLF Program webpage once it is received.]

WATER POLLUTION CONTROL EMERGENCY LOAN FUND (WPCELF) PROGRAM

Please don't forget that the WPCELF program is available as a ready source of funding for the emergency construction, repair or replacement of wastewater collection and treatment facilities. Approximately $3.5 million in WPCELF funds are currently available for emergency loans. The basic provisions of the WPCELF program are:

1) a current interest rate of 4%;
2) a maximum single loan amount of $350,000;
3) a maximum repayment period of ten (10) years;
4) applicants must be public entities/political subdivision; and
5) projects must meet the definition of "emergency" in the program regulations.

Allowable costs for the project may not be incurred prior to the budget period established by the MDEQ, which may not begin more than 90 days prior to MDEQ's issuance of a funding pre-commitment letter or receipt of the loan application. Costs for the project are paid on a reimbursement basis, based upon the actual allowable expenditures of the loan recipient. For application assistance, please contact Tony Caldwell via the email address or phone number listed below.

MATRIX OF ADDITIONAL FUNDING SOURCES

In our continuing effort of coordination among the State and Federal agencies that provide grant and loan funding for wastewater, drinking water, storm water, and solid waste projects, we have updated our matrix of these funding sources. Attached is the updated matrix, which was developed jointly by the agencies included. This matrix lists the funding sources, includes basic funding provisions, and gives the contact information for each program.

We hope that this matrix will be of benefit to you in considering grant and loan funding sources for your future wastewater, drinking water, storm water, and solid waste projects.

OBTAINING RANKING FORMS AND OTHER WPCRLF GUIDANCE/INFORMATION

Forms for requesting ranking on this year's priority list, facilities planning guidance, design guidance, and other related WPCRLF Program information are available for viewing/downloading on MDEQ's WPCRLF Program webpage by clicking on this link or going to www.deq.state.ms.us, choosing "Surface Water

Division" (under "Office of Pollution Control"), then choosing "Construction Branch," then choosing "Water Pollution Control (Clean Water) Revolving Loan Fund Program." Or, if you prefer, you may use the contact information below to request that hard copies be faxed or mailed to you.

CONTACT INFORMATION

Program Manager
Tony Caldwell — 601-961-5618
tcaldwell@mdeq.ms.gov

Project Management/Engineering Coordinators
Jeff Pittman — 601-961-5124
jpittman@mdeq.ms.gov

Sam Qarqish — 601-961-5046
sqarqish@mdeq.ms.gov

Administrative Coordinator
Debbie Waddell — 601-961-5294
dwaddell@mdeq.ms.gov

Program Support Coordinator
Greg Eiler — 601-961-5108
geiler@mdeq.ms.gov

Fax Number — 601-961-5187

Mailing Address
Construction Branch
MS Department of Environmental Quality
P O Box 2261
Jackson MS 39225-2261

WPCRLF Facilities Plan Checklist
Post-Equivalence
Section 212-Wastewater Projects

Loan Applicant:_____

Project Name/No.:_____

Plan Title/Date:_____

Plan Author:_____

Project Manager:_____

Plan Reviewed - Comments

_____ _____

Project Manager - Date Engineering Coordinator - Date

Environmental Document [Re: WPCRLF Reg. Appendix B] Issued _____ Cleared_____

Plan Approved

_____

Project Manager - Date

This guidance checklist has been prepared in accordance with WPCRLF Regulation Rule 7.3.A for preparation and review of a Facilities Plan that will meet all WPCRLF requirements. These checklist items represent what is considered a minimum level of information to be included in the plan. Blanks to the far right-hand side of the page are for entering the page number in the plan where the associated information may be found.

Is the plan stamped by a Professional Engineer registered in Mississippi? [Re: WPCRLF Reg. Rule 7.3.A(1)] _____

I. Summary, Conclusions, and Recommendations (self-explanatory)

If the submittal is an update to an existing plan, are portions of the old plan which are still valid referenced specifically? _____ Are other relevant portions updated appropriately? _____

II. Need For The Project _____

The plan must give a general description of the need for the project in terms of bypasses, overflows, other infiltration/inflow (I/I) problems, failing individual systems, developmental needs, NPDES permit limits, or other water quality/public health problems.

Does the plan adequately document the existing and/or future water pollution problem or threat to be addressed by the project? [Re: WPCRLF Reg. Rule 7.3.A.(2)(b)] _____

III. Existing Situation

Note that this section applies to the planning area in general. For specific information on the site of the wastewater collection and treatment facilities, see Section VI. The plan must describe the planning area in terms of the characteristics described below, including maps as needed.

A. Planning area location and boundaries. _____

B. Population served. _____

C. Surface waters affected by and/or improved by the proposed project. _____

D. Organizational context (city only, city-county, intercity, etc.). _____

E. Location, description, and performance of existing facilities. [Re: WPCRLF Reg. Rule 7.3.A.(2)(a)] _____

F. Identification of significant users (generally 5% or more of POTW capacity), if project will provide capacity for such users. _____

G. Identification of unsewered areas and on-site systems. _____

IV. Waste Flow and Load

Note that minimum planning and design periods are 20 and 5 years, respectively, unless justified otherwise. Documentation of the source/rationale behind all population, flow, and loading data must be included. Sufficient flow monitoring and/or estimation of wastewater, infiltration, and inflow quantities (as well as any other necessary technical data) must be documented to provide the basis for preliminary design. [Re: WPCRLF Reg. Rule 7.3.A.(2)(c)]

A. Residential flow. _____

Are population projections consistent with those from the local Planning and Development District, Mississippi Development Authority, the Census Bureau, and/or the Bureau of Economic Analysis?_____ If not, are they reasonable; do they include sound justification? _____

B. Commercial/industrial/significant user flow: If the project will provide capacity for them, the plan must include an indication that significant users have been contacted to determine their needs (see III.E). Note that, if the Department determines a user to be overly significant, additional assurances may be required (see VII.B). Undocumented future industrial flows should not be in excess of 5% of total design flow (10% for small communities). _____

C. Infiltration/ Inflow: Note that all projects must be sized to handle the design return storm (typically 2 to 5 year, 24 hour) without bypasses or overflows occurring in or downstream of the project. _____

D. Total flow/load: Note that only those loading parameters specified in the WLA need to be evaluated with regard to treatment facilities. _____

Do all projections, flows, peaking factors, loads, etc. appear reasonable? _____ For treatment projects, is the design flow the same as that used in the WLA?____

V. Alternative Selection

A cost-effectiveness analysis is optional if the selected plan is included on the following lists. Circle the technologies selected.

A. Unsewered areas. _____

- Use of existing on-site systems with no changes or with necessary upgrading, rehabilitation, and/or management by public authority.
- Use of other on-site systems such as mound systems, individual package systems, etc.
- Central collection and treatment (see V.B.2 and V.D).
- Any reasonable combination of the above.

B. Collection.

1. Rehabilitation: The plan must include documentation of sufficient evaluation of the existing system to support any proposed rehabilitation. (NOTE: To qualify for the Bypass/Overflow Priority System Category, the plan must also include documentation that the bypasses/overflows occur during a 2-year, 24-hour rain event and that the appropriate reporting has been submitted in accordance with the loan recipient's NPDES permit. If the rehabilitation will solve more than one type of problem, the plan must document which portions of the project qualify for this category.) _____

2. New sewers. _____

- Conventional gravity sewers
- Conventional pump station/force main
- Small diameter gravity
- Septic tank effluent pumping
- Grinder pump/pressure system
- Vacuum sewers
- Any reasonable combination of the above (including septic tank/absorption fields, where satisfactory)

C. Interceptors. _____

- Conventional gravity sewers
- Conventional pump station/force main
- A reasonable combination of the above

D. Treatment system: The treatment system technologies listed below are considered appropriate for the given population categories. The utilization of systems with higher than suggested complexity is discouraged and may result in comments regarding the ability of the applicant to operate the facilities.

1. Population (or equivalent) less than 10,000. _____

- Lagoon (facultative, aerated, sludge, etc.)
- Hydrograph controlled release lagoon
- Intermittent sand filter
- Land treatment (overland flow, spray irrigation, etc.)
- Aquatic systems
- Constructed wetlands
- Single-stage activated sludge
- Oxidation ditch
- Abandonment of existing inadequate treatment facility and connection of flows to adequate facility
- Discharge at locations where effluent limitations are less stringent
- Chlorination/dechlorination
- Ultraviolet disinfection
- Post-aeration
- Sludge drying beds
- Sludge landfarming
- Sludge landfilling
- Any reasonable combination of the above

2. Population (or equivalent) 10,000 or greater. _____

- All of the above, plus
- Trickling filter
- Rotating biological contactor
- Sequencing batch reactor
- Aerobic digestion

- Anaerobic digestion
- Two-stage activated sludge
- Ozonation
- Any reasonable combination of the above

Are the stated NPDES permit limits correct? _____ Can the selected treatment technologies meet the limits? _____ If advanced treatment is indicated, has the possibility of seasonal limits been explored? _____ Note that limits for a given parameter may vary for different treatment methods at the same discharge flow and location. If the OPC/Environmental Permits Division (EPD)/Municipal and Private Facilities Branch (MPFB) had any concerns with permit limits (e.g., outfall siting) have they been addressed? _____

VI. Selected Plan

Facilities included in the selected plan are as detailed below. [Re: WPCRLF Reg. Rule 7.3.A.(2)(d)]

A. General Information

1. Description: List treatment, collection, rehabilitation, and any other facilities to be constructed as well as any existing facilities to be abandoned/demolished: _____

Item of work	Approximate Quantity/Size

2. A planning area map showing the location of proposed facilities. _____

3. A demonstration that minorities are not being systematically excluded from receiving treatment works improvements. [Re: WPCRLF Reg. Rule 7.3.A.(2)(e)] _____

4. If the project includes treatment facilities, wastewater discharge, large pumping stations, etc. which may adversely affect public health or the environment (not including aesthetics), a determination of whether or not the facilities are located in a minority or low-income area and, if so, documentation that the siting of the facilities is nondiscriminatory. [Re: EO 12898, Environmental Justice] Note that additional guidance on this EO may be forthcoming from EPA, so the planning requirements may change. _____

5. Preliminary design criteria/calculations for collectors, interceptors, pump stations, and unit processes. _____

6. For treatment projects, a site plan including the layout of existing and proposed facilities and either 1) a buffer zone (minimum150 feet from water's edge), 2) documentation that the adjacent property is zoned or used for commercial or industrial use, or 3) a schedule to acquire waivers from adjacent landowners and to request a Permit Board variance from the buffer zone requirement through EPD/MPFB. [Re: WPCRLF Reg. Appendix J, Item A and 11 Miss. Admin. Code Pt. 6, Rule 1.1.1.C(2)(a)] _____

7. For new collectors, identification of those to serve existing buildings as opposed to those which are strictly developmental (see III.F). _____

Are all facilities eligible [Re: WPCRLF Reg. Appendix A]? _____

B. Environmental Information

1. Description of how the proposed facilities will address the existing and/or future water pollution water quality problems as stated in Section II. _____

2. For projects which will result in increased loads (new collection, redirection, etc.), a demonstration that adequate capacity exists or will exist in the downstream transportation and treatment facilities. _____

Has adequacy of treatment been reviewed and approved by EPD/MPFB? _____ If downstream facilities are owned by an entity other than the applicant, is documentation of concurrence included (see VII.B)? _____

3. Treatment Projects Only:

a. Description and location of any surface supplies of potable water or recreational areas downstream of discharge (include on map). _____

b. Description of the sludge management system in sufficient detail to determine feasibility. If sludge lagoons are proposed, the plan must demonstrate that the lagoons have reasonable capacity (i.e., at least 10 years) and must describe the ultimate disposal method (e.g., landfill, land farm, etc.), including a brief description of lagoon closure after being taken off-line. Such on-site treatment issues are generally handled through the NPDES Permit (EPD/MPFB). Where sludge is to be taken/treated off-site, input regarding solid waste

permitting requirements must be solicited from the OPC/EPD/Solid Waste and Mining Branch. _____

Will a Solid Waste Permit be required? _____

c. A soil/groundwater evaluation for earthen impoundments or land application if required by Attachment 1. If no liner is proposed, this evaluation must be reviewed by the Office of Land and Water Resources/Water Resources Management Division/Assessment and Protection Branch (OLWR/WRMD/APB). _____

Is a liner proposed to meet the leakage limit? _____ If not, has a full soil/groundwater evaluation been done, or is further work required during design? _____ For land treatment projects, is groundwater monitoring required? _____ Other precautions? _____

4. Brief description of the nature (permanent or temporary) and extent of, and mitigative measures for, impacts such as noise, dust, odor, and erosion/siltation. _____

5. A specific indication that each applicable intergovernmental review (IGR) agency has been contacted, any adverse comments, and an indication of all permits/survey clearances that will be required. [Re: WPCRLF Reg. Rule 7.3.A.(2)(f)] _____

Is a Mississippi Department of Archives and History archaeological/cultural resources survey required? _____

Is a Mississippi Natural Heritage Program vegetative/wildlife survey required? _____

Is a U.S. Army Corps of Engineers Section 10 or 404 permit application required? _____

Is a Mississippi Department of Marine Resources permit application required (coastal county projects only)? _____

Are U.S. Forest Service comments on Wild/Scenic River impacts required (projects in Wild/Scenic River basin only)?_____

6. Floodplains: The plan must document whether or not the project is located in the 100-year flood hazard boundary. If so, alternative sites must be considered and/or mitigative measures given for protection of the flood plain and protection of the project from flooding. _____

C. Environmental Impacts: The plan must contain a comparative evaluation of the "no action" alternative and the proposed alternative which specifically accounts for existing and future beneficial and adverse consequences that each alternative would have on the resources listed below. Note: A generic statement that "The no action alternative is unacceptable because…" is not sufficient. [Re: WPCRLF Reg. Rule 7.3.A.(2)(g) and Appendix B, Section A]

1. Surface/groundwaters _____
2. Archaeological/historical/cultural resources _____
3. Vegetative/wildlife _____
4. Wetlands/navigable waterways _____
5. Floodplains _____
6. Coastal zones (Jackson, Harrison, and Hancock Counties only) _____
7. Wild/Scenic Rivers (projects in Wild/Scenic River basin only) _____
8. Air quality _____

VII. Financial Analysis

The majority of the required financial information is included in the "Financial Capability Summary" (Attachment 2) which can be completed and incorporated directly into the plan. Additional information should be added as necessary to include the following [Re: WPCRLF Reg. Rule 7.3.A.(2)(h)]:

A. The cost of the selected plan must be given [Re: WPCRLF Reg. Rule 7.3.A.(2)(d)] in sufficient detail to determine reasonableness and to separate allowable/unallowable (see WPCRLF Reg. Appendix A), priority category, and needs category amounts. _____

B. Where interlocal entities are involved and/or capacity is being provided for significant users (see III.E, IV.B, and VI.B.2), the plan must outline the various responsibilities for financing, constructing, operating and maintaining the treatment works. Districts or other authorities which do not control the local water system must obtain an interlocal agreement with the local water system owner to shut off water for nonpayment of sewer bills. Otherwise, the Department may not award a loan unless other adequate security for loan repayment is demonstrated. Note that any required interlocal agreements will be due with the loan application. _____

C. An explanation of how non-WPCRLF funded costs will be financed (See Attachment 2, Items 2 and 3). _____

D. Calculations showing the necessary user charges.[Re: WPCRLF Reg. Rule 7.3.A.(2)(k)]. _____

E. Where user charges are to be subsidized with general funds (county government ad valorem or city sales tax), the plan must include clear details of this approach, mechanisms to collect user charges and subsidy revenue, and plans for addressing nonpayment. _____

F. Average annual cost per household compared (as percentage) to the Median Household Income (MHI) (See Attachment 2, Item 8): The MHI may be determined from The Sourcebook of Zip Code Demographics (latest year's edition). Other credible sources are available and may be used. Also, adjustments to these sources, to more accurately reflect the MHI, may be made when justified. _____

Are user charges and other dedicated revenue sufficient to cover operation, maintenance, (minor) replacement, WPCRLF repayment, and any other debt retirement? _____ Do all costs, interest rates, and other financial arrangements appear reasonable? _____

If any of the existing debt is with the Rural Utilities Service (RUS), has RUS Community Programs been notified of the estimated WPCRLF loan and repayment amounts? _____
(E-mail Bettye.Oliver@ms.usda.gov or Patricia.McDowell@ms.usda.gov or call 601-965-5460.)

Is the project high cost? _____ If so, have remedial actions been considered such as staged construction, value engineering, and careful review of the alternative selection, growth, and design features? _____

VIII. Public Participation

To document public input on the plan, it must include/address the items listed below. [Re: WPCRLF Reg. Rule 7.3.A(2)(i) and(j)] For projects that are likely to be controversial (entirely new systems, new or substantially increased discharges, high cost or substantially increased user charges, etc.) the loan recipient should consider bypassing directly to the public hearing process in the interest of time. Additional notice (direct mail, through billing, etc.) is encouraged (but not required) for all projects.

A. Proof of Publication for Proposed Project/Hearing

Was the notice published *after* IGR responses were included/addressed in the plan (not necessarily after permits/clearances were issued; see VI.B.5)? _____

Did the notice indicate where the plan could be examined during the notice period? _____

Was the public informed regarding how/where/when to submit comments? _____

For county government projects described in VII.E above, was the notice in enough newspapers to "cover" the entire county?_____

B. Routine Projects (only public notice required)

1. Proof that the public notice period/location was adequate (generally 30 days in local newspaper). _____

2. Any comments received from the public. _____

C. Controversial (as determined by the Department) Projects (public hearing required)

1. Proof that the notice of public hearing was published in a local newspaper of general circulation at least 30 days prior to the hearing date. _____

2. A transcript of the public hearing. _____

D. A description of how all comments were addressed. _____

Have all adverse comments been adequately addressed? _____

Has there been any significant change in the project site, cost estimates, or user charge estimates since the public notice/hearing? _____ If so, another notice/hearing may be required.

Soil/Groundwater Review
WPCRLF Facilities Planning

This procedure applies to newly constructed earthen impoundments and land application fields to receive wastewater or sludge and additions to such facilities already in place. It does not apply to basins formed with concrete, fiberglass, etc., nor to pre-existing earthen facilities not being enlarged or deepened. If the selected plan includes a liner, then Items I.A.1through I.A.3 of the soil/groundwater evaluation (see below) must be included in the facilities plan. If a preliminary determination is made that no liner is required, then two options are available: 1) The plan may include the entire soil/groundwater evaluation, or 2) it may contain only the information required by Item I.A.1 below, and the remainder of the evaluation will be required during design. See Section VI.B.3.c of the Facilities Plan Checklist (NPELF20) and the Plans and Specifications Checklist (NPELF40) for further details. The soil/groundwater evaluation must be sealed, signed, and dated by the Mississippi Professional Engineer responsible for its preparation. If an OLWR/WRMD/APB review will be necessary, the applicant should submit an extra copy of the evaluation along with the facilities plan. Project managers should discuss this attachment at the pre-planning conference where earthen facilities are being considered.

I. Earthen Impoundments: MDEQ design guidelines indicate that leakage through the bottom of the impoundment shall be no greater than 500 gallons per acre per day.

A. Where a liner is proposed to meet the leakage limit, the soil/groundwater evaluation may be limited to the following:

1. General review of the local geology, hydrology, and current and potential groundwater resources, including information from published literature (soil maps and cross sections, etc.) and applicable files and data bases at the USGS and the MDEQ.

2. Brief description of the proposed liner (material type, thickness, hydraulic conductivity, etc.).

3.Statement that with the proposed liner the leakage limit will not be exceeded.

If the Construction Branch (CB) accepts the evaluation determinations that a liner is necessary, then no further study or review is required.

B. Where a liner is determined in the report to be unnecessary to meet the leakage limit due to the characteristics of in-situ material, the soil/groundwater evaluation must include the following:

1. The information listed in I.A.1 above.

2. A USGS topographic map (1:24,000 scale) with the project site and a one-mile radius area of review denoted. The location and depth of all recorded water wells within the area of review must be shown. An effort must be made to determine if residences within the area of review have private wells that may not be listed on inventories maintained at the OLWR or the USGS.

3. Soil borings of sufficient depth and number to characterize the soil/groundwater conditions below the planned excavation and to demonstrate that an in-situ competent liner is present. These borings must be continuous and extend to a depth of 25 feet

below the bottom of the impoundment. Permeability tests (either lab or field) must be conducted on undisturbed samples taken from the interval that will serve as the natural liner. ASTM procedures or acceptable similar methods should be followed for all tests. The table below specifies the minimum number of borings and permeability tests based on impoundment size.

Impoundment Acreage	Minimum # Borings	Minimum # Perm. Tests
<10	5	3
>10 to 20	7	4
>20 to 30	10	5
>30	15	7

If a shallow aquifer is encountered, groundwater levels from at least 3 temporary piezometers must be monitored to determine flow direction and rate. Boring logs and cross-sections showing thickness, lateral continuity, and lithology should be submitted as part of the evaluation.

4. Well drillers' logs (available from OLWR) and geophysical logs (available from the USGS and the Office of Geology) for the water wells within the one-mile radius area of review. Information to be included with the logs are identification number, location, date drilled, depth, use, pumping rate, casing size and screen length.

5. Statement that given the documented conditions the leakage limit will not be exceeded.

This evaluation must be routed to the OLWR/WRMD/APB who will review and provide written comments or acceptance to CB.

II. Land Application Fields: Due to the potential for groundwater contamination, the following must be included in the soil/groundwater evaluation for all land treatment projects:

A. The information listed in I.A.1 and I.B.2 through I.B.4 above.

B. A statement that groundwater quality will not be significantly impacted and a determination as to the necessity of a groundwater monitoring program.

This evaluation must be routed to the OLWR/WRMD/APB who will review and provide written comments or acceptance to CB.

FINANCIAL CAPABILITY SUMMARY

Loan Recipient _____Date_____

Project Description_____

The following figures are total estimated costs for construction (includes construction related costs) and operation and maintenance of the proposed facilities. Amounts must agree with the facilities plan. See WPCRLF Reg. Appendix A for allowable cost information.

1. Estimated Construction Costs

Planning/Application Phase Services	$_____
Design/Land Acquisition Phase Services	$_____
Land/Easement Purchase	$_____
Construction	$_____
Construction Phase Services	$_____
Construction Contingency	$_____
Other (_____)	$_____
TOTAL	$_____

2. Funding Sources

WPCRLF Loan	$_____
Other Loans/Bonds (_____)	$_____
CDBG Grant	$_____
Other Grant (_____)	$_____
Other (_____)	$_____
TOTAL (must equal 1 TOTAL)	$_____

3. New Debt Retirement

Financing Method	Amount	Interest Rate	Term of Maturity	Annual Debt Payment
WPCRLF	$_____	%_____	____yrs	$_____
Other Loan	$_____	%_____	____yrs	$_____
Bonds	$_____	%_____	____yrs	$_____
Other	$_____	%_____	____yrs	$_____
TOTAL				$_____

4. Estimated Annual Operation, Maintenance and Replacement (OM&R) Costs

Annual OM&R (new facilities)	
Labor	$_____
Utilities	$_____
Materials	$_____
Outside Services	$_____
Equipment Replacement	$_____
Miscellaneous	$_____
a. Subtotal	$_____
b. Existing OM&R (to remain)	$_____
c. TOTAL OM&R (4.a + 4.b)	$_____

5. Total Estimated Annual Costs

Existing Debt Service	
RUS	$_____
Other	$_____
New Facilities Debt Service (from 3)	$_____
Total Annual OM&R (from 4.c)	$_____
TOTAL	$_____

6. User Charges

Existing Monthly Rates

Usage (1000 gal)	Class 1	Class 2	Class 3
First _____(or flat fee)	$_____	_____	_____
_____ to _____	_____$/1000 gal	_____$/1000 gal	_____$/1000 gal
_____ to _____	_____$/1000 gal	_____$/1000 gal	_____$/1000 gal
Over _____	_____$/1000 gal	_____$/1000 gal	_____$/1000 gal

Proposed Monthly Rates (if increase is proposed)

Usage (1000 gal)	Class 1	Class 2	Class 3
First ____ (or flat fee)	$_____	_____	_____
_____ to _____	_____$/1000 gal	_____$/1000 gal	_____$/1000 gal
_____ to _____	_____$/1000 gal	_____$/1000 gal	_____$/1000 gal
Over _____	_____$/1000 gal	_____$/1000 gal	_____$/1000 gal

Proposed Revenue

Avg. Use (1000 gal/mo)	Avg. Bill ($/mo)	No. of Users	Revenue ($/mo)
Class 1 _____	_____	_____	_____
Class 2 _____	_____	_____	_____
Class 3 _____	_____	_____	_____
Subtotal			_____
ANNUAL TOTAL (Revenue Subtotal x 12)			_____

7. Sources of Annual Revenue

User Charges (6. ANNUAL TOTAL)	$_____
Connection Fees	$_____
Other (_____)	$_____
TOTAL (must exceed 5 TOTAL)	$_____

8. Annual User Charge Per Household and High Cost Comparison

a. Total annual user charges (6. ANNUAL TOTAL)	$_____
b. Non-residential share of total	$_____
c. Residential share of total (8.a-8.b)	$_____
d. Existing households to be served	_____
e. Average per household (8.c/8.d)	$_____
f. Median household income	$_____
Percentage (8.e/8.f x 100)	_____%
High cost threshold* for community	_____%
Is this a high cost project?	_____

*A project is considered high cost if the average total annual sewer bill per household (including all OM&R and debt retirement costs) exceeds the following thresholds: 1% of the community's Median Household Income (MHI) where the MHI is <$10,000, 1.5% for $10,000 to $17,000, and 1.75% for MHI > $17,000. Where water and sewer amounts can not be accurately separated, add 1.5% to these thresholds.

Part 6, Chapter 8: Mississippi Commission on Environmental Quality, Fiscal Year 2017 Intended Use Plan (IUP) for the Water Pollution Control Revolving Loan Fund Program

WATER POLLUTION CONTROL REVOLVING LOAN FUND (WPCRLF) PROGRAM

DRAFT

FY-2017 INTENDED USE PLAN

Presented to the Commission on July 27, 2017

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

MISSISSIPPI COMMISSION ON ENVIRONMENTAL QUALITY

OFFICE OF POLLUTION CONTROL

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MISSISSIPPI COMMISSION ON ENVIRONMENTAL QUALITY
WATER POLLUTION CONTROL REVOLVING LOAN FUND PROGRAM
DRAFT FY- 2017 INTENDED USE PLAN

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PART 1 – Standard Program Details/Requirements

I. Goals of the Water Pollution Control (Clean Water) Revolving Loan Fund Program

The Commission on Environmental Quality has established certain goals for the Water Pollution Control Revolving Loan Fund (WPCRLF) Program. Short term goals include: 1) Periodically consulting with financial advisors to develop revised operating policies and procedures for the WPCRLF (Fund), with the goal of maximizing investment in project loans and reducing idle cash, while maintaining proper stability and management of all aspects of the Fund. 2) Implementing the additional federal requirements (as detailed in Part 2 of this IUP) which now apply to the WPCRLF Program due to the passage of the Water Resources Reform and Development Act (WRRDA), 2014, and due to the exhaustion of the banked equivalency/cross-cutter compliance [which was applied from implementation of the "post equivalency" WPCRLF Loan Program in FY-2001 until FY-2014], 3) Continuing to establish priorities and procedures which will meet the long term environmental improvement goals of the Commission, while keeping in focus the need to attract communities to the program and insure the maximum wise use of all available funds, 5) Continuing to implement the Green Project Reserve requirements during FY-17, 6) Continuing to implement the additional subsidy requirement and to make any additional subsidy funds available to projects in small/low income communities that otherwise might not be able to afford a project, and 7) To the extent reasonably practical, continue to structure this program to coordinate with other available funding programs within the State, particularly the CDBG, ARC, and RUS programs, in order to make available the opportunity for joint funding of projects should communities desire such an arrangement. The coordination procedures for WPCRLF projects funded jointly with the CDBG, ARC, and/or RUS program are found in Section III.

Long term goals include: 1) maintaining a financially sound SRF in perpetuity; 2) meeting a substantial portion of the wastewater needs in the State within a reasonable period of time, while continuing to maintain a program that is attractive to the communities in the State; and 3) funding fiscally sound projects in order of environmental importance as established by the Commission. Essential to achieving these goals is the determination of an interest rate and loan repayment term which will generate sufficient fund income to meet the State's needs within a reasonable period of time, but which is more attractive than private sector funding, so as to bring communities into the program and insure use of all available funds. Toward this end, the Commission intends to implement the program as further described in Section II. The long term priorities for funding are described in the Priority System in Section IV, which places first priority on projects that will bring existing wastewater facilities into compliance with their final discharge limitations, as required by the federal Clean Water Act. Other project categories will be funded in order of environmental importance as established within the Priority System, and as available funds allow. All projects must be demonstrated to be fiscally and environmentally sound through completion of a facilities plan, and its subsequent approval by the Department of Environmental Quality.

The framework under which the WPCRLF loan program operates is established by two documents. The first document is the State Revolving Fund Loan Program Operating Agreement (Operating Agreement) between the Mississippi Department of Environmental Quality and the Environmental Protection Agency, Region IV. This Operating Agreement was agreed to by both parties and approved on May 25, 1995. The Operating Agreement

establishes the provisions of the WPCRLF that are not expected to change from year to year. The second document is this annual Intended Use Plan (IUP) which includes a list of projects proposed for assistance, information on WPCRLF activities to be supported, criteria and methods for disbursing WPCRLF funds, and assurances. Copies of these documents are available upon request.

II. Information on WPCRLF Activities to be supported by the FY- 2017 IUP

The Commission has determined that the following will apply to the WPCRLF loan program, subject to compliance with the WPCRLF loan program regulations:

a. Eligible/allowable project costs will include costs as described and limited in Appendix A of the Water Pollution Control Revolving Loan Fund Program Regulations.

b. The types of assistance to be provided under the WPCRLF loan program will be loans to public entities which are authorized under State law to own, operate and maintain the funded facilities, to enter into a WPCRLF loan agreement, and to repay the WPCRLF loan; for the construction of eligible wastewater treatment and transportation facilities, non-point source and storm water pollution control programs, and estuary conservation and management programs. Wastewater, as defined by EPA, also includes sludge discharges into surface waters from publicly owned drinking water treatment facilities. The Department will continue to offer additional subsidy to eligible loan recipients during FY 2017. Detailed guidance on additional subsidy can be found in Section VI.D of this IUP. Subsidy funding authorized by WRRDA and/or made available through the FY 2015 and subsequent Appropriations Acts will be offered as 75% principal forgiveness to small/low income communities, and will be subject to the affordability criteria outlined in Part 2, Section III.O. of this IUP.

c. All loans will be at a 1.75% annual interest rate, compounded monthly, and at terms not to exceed 20 years after project completion.

d. WPCRLF loan participation can be funded at up to 100% of eligible project costs, less any funding made available from other agencies for these same eligible project costs.

e. Where funding of a project has been segmented, loan repayment requirements will apply after the final construction inspection of the segment of the project that results in an operable project, as further described in the WPCRLF regulations. However, interest will accrue on each segment independent of other segments as required by the WPCRLF program regulations.

f. Project costs incurred prior to loan award will be WPCRLF loan allowable provided:

- The debt is for planning, design, or construction phase professional services related to, or for work performed under, an eligible construction contract for

which the notice to proceed was issued on or after October 1, 2016, and the WPCRLF loan is awarded by September 30, 2017.

- The project is in compliance with all applicable WPCRLF program regulations and obtains Department approval of all applicable documents prior to award of the WPCRLF loan.

- The prospective loan recipient agrees that by incurring costs prior to loan award, it proceeds at its own risk and relieves the Commission, the Department, and the Department staff of all responsibility and liability should such costs later be determined unallowable for any reason or should such funding not become available for any reason.

- The prospective loan recipient agrees that by incurring costs prior to loan award, no future commitment of funding a project is provided.

g. Revenue to pay for WPCRLF program administration will be received by setting aside up to 4% of the cumulative federal capitalization grants to the State under Title VI of the Clean Water Act, and as may be further amended. In addition, an administration fee of 5% of the final loan principal will be collected from the interest portion of loan repayments on all FY-2017 loans.

h. Project detail information for the FY-2017 WPCRLF projects is shown in Section V.

i. The Department has the authority to amend any existing loan agreement (regardless of the fiscal year of the initial loan award) in order to: transfer project scope and funds from one loan agreement to another loan agreement for the same loan recipient; to close out loans with completed project scopes and either delete the remaining project scopes that are delayed in violation of the loan schedules, or award a new loan for the delayed project scopes; and to award multiple loans for individual portions of a project shown on the Priority List.

j. The FY-2017 Priority List expires on September 30, 2017, except for the authority provided in Section II.i above which shall have no expiration date. Projects included on the FY-2017 Priority List that do not receive funding by this date will not be funded under the FY-2017 funding cycle, and will be subject to the requirements of the FY-2018 or subsequent Intended Use Plans and Priority Lists.

k. State bonds which were provided by the State Legislature to provide state match for the federal CWSRF cap grants will be retired with the interest earnings on the fund deposits. The estimated amounts of interest earnings to be used for this purpose are shown in Appendix A – Assumed Available Funds.

III. Coordination Schedules with Other Funding Sources on Jointly Funded Wastewater Projects.

[Note: Due to unavoidable delays in preparation of the FY-2017 IUP, the following schedules reflect the typical "standard" schedule, rather than being tailored to fit the actual FY-2017 WPCRLF funding schedule.]

The MDEQ will not award a WPCRLF loan to a jointly funded project until the other funding source(s) (i.e., CDBG, ARC, RUS, SPAP, etc.) has provided their award, or until the Department receives assurances from the other funding source(s) that their award will be made within a timeframe compatible with the WPCRLF loan agreement schedule. If the WPCRLF loan is awarded prior to the other funding source award(s), MDEQ may condition the WPCRLF award to delay payments until the other award(s) are made.

A. Coordination of Water Pollution Control Revolving Loan Fund Program (WPCRLF) and Community Development Block Grant Program (CDBG) on Jointly Funded

FY- 2017 WPCRLF and CDBG Coordination Project Schedule*

9/01/2016** Loan applicants submit the complete WPCRLF facilities plan, prepared in accordance with the WPCRLF loan program regulations, to MDEQ. The plan must indicate anticipated CDBG funding and must indicate if the loan applicant intends to proceed with the project; 1) only if CDBG funds are received, or 2) regardless of whether CDBG funds are received.

01/2017 MDEQ sends out Draft WPCRLF FY-20~~16~~17 Intended Use Plan requesting public comments.

01/2017 MDEQ notifies MDA of projects included on Draft FY-20~~16~~17 Priority List that anticipates receiving FY-20~~16~~17 CDBG funds.

02/2017 Commission on Environmental Quality adopts FY-20~~16~~17 WPCRLF Intended Use Plan accounting for anticipated CDBG award amounts if identified in facilities plan.

03/04/2017 CDBG program holds application workshops.

4/01/2017** Deadline for loan applicants to submit a completed WPCRLF loan application to MDEQ for the total WPCRLF eligible costs, less amount of anticipated CDBG award to be applied to WPCRLF costs.

If the loan recipient is pursuing a CDBG grant to cover part of the cost of construction, the loan recipient has the option to include the anticipated CDBG grant amount in the detailed cost breakdown in the application; or may request 100% WPCRLF funding with the possibility of amending the loan application later if the loan recipient is awarded a CDBG grant prior to receipt of bids for construction.

However, the WPCRLF loan application must be consistent with the WPCRLF facilities plan for the project.

05/2017 MDEQ provides notification to MDA that complete WPCRLF loan applications have been received.

03-09/2017 Loan applicants receive WPCRLF loan award from MDEQ. The amount of the loan will be the total WPCRLF eligible cost less the CDBG amount to be applied to WPCRLF eligible work.

05/12-16/2017 CDBG public facilities applications, along with one copy of the WPCRLF loan application with maps and appropriate attachments will be accepted from May 12, 2017 until 4:00 pm on May 16, 2017.

06/03/2017 MDA provides notification to MDEQ that complete CDBG applications have been received.

07/07/2017 Deadline for CDBG applicants to secure final commitment and/or approval of matching funds. If by that time final commitment and/or approval are not in place MDA will remove the application from funding consideration.

08/15/2017 MDA provides conformation to MDEQ of which projects fall within the funding range for CDBG grants for construction contingent upon matching funds being in place. MDEQ will not award a WPCRLF loan until this notification from MDA is provided.

Upon Loan Award MDEQ copies MDA on the award letter.

Upon Grant Award MDA provides notification to MDEQ that CDBG awards have been made.

***Subject to change due to the timing of federal appropriations or program changes.**

****Included in WPCRLF FY-2017 Priority System deadlines. Other deadlines not shown above also are contained in the WPCRLF FY-2017 Priority System.**

B. Coordination of Water Pollution Control Revolving Loan Fund Program (WPCRLF) and Appalachian Regional Commission (ARC) Grant Program on Jointly Funded Wastewater Projects

FY-2017 WPCRLF and ARC Coordination Schedule*

Date TBD Mississippi Appalachian Regional Office (MARO) notifies potential applicants & local Planning & Development Districts of the deadline for submitting complete applications for ARC grants.

Date TBD	All FY-2017 ARC project applications are due at ARO in Washington by 5:00 p.m. Any proposals received after this date will only be considered for funding in FY 2018.
9/01/2016**	Loan applicants submit a complete WPCRLF facilities plan to MDEQ. The plan must indicate anticipated ARC funding and must indicate if the loan applicant intends to proceed with the project; 1) only if ARC funds are received, or 2) regardless of whether ARC funds are received.
Date TBD	MARO notifies MS Department of Environmental Quality (MDEQ) of grant applicants who submitted pre-applications for ARC grants which indicate anticipated FY-2017 SRF funding.
Dates TBD	MARO completes review of FY-2017 projects and briefs Governor about projects identified to be submitted to ARC – Washington for funding purposes.
Dates TBD	MARO notifies local Planning & Development Districts of projects that have been selected for the P1 (fundable priority list). MARO will copy MDEQ on these notification letters if grantee has indicated that it is pursuing WPCRLF loan funds for this project. MDEQ will not award a WPCRLF loan until this notification from MARO is provided.
Date TBD	Deadline for all FY-2017 Priority 1 documentation and forms to be submitted to MARO.
1/2017	MDEQ sends out Draft WPCRLF FY-2016 Intended Use Plan requesting public comments.
Date TBD	MARO sends project applications to ARC Washington to start final funding approval process.
02/2017	Commission on Environmental Quality adopts FY-2017 WPCRLF Intended Use Plan accounting for anticipated ARC award amounts if identified in facilities plan.
03/2017	MDEQ notifies MARO of projects included on Final FY-2017 Priority List that anticipate receiving FY-2017 ARC funds.
Dates TBD	ARC-Washington starts the final funding approval process and awards ARC grants during the spring or summer of 2017.
04/01/2017**	Deadline for loan applicants to submit a completed WPCRLF loan application to MDEQ for the total WPCRLF eligible costs, less the amount of anticipated ARC award to be applied to WPCRLF costs.

05/2017	MDEQ provides notification to MARO that complete WPCRLF loan applications have been received.
03/2017 - 09/2017	Loan applicants receive WPCRLF loan awards from MDEQ. The amount of the loan will be the total WPCRLF eligible cost less the ARC award amount to be applied to WPCRLF eligible costs.
Upon Grant Award	MARO provides notification to MDEQ that ARC awards have been made.
Upon Loan Award	MDEQ copies MARO on the award letter.

*** Subject to change due to the timing of federal appropriations or program changes.**

**** Included in WPCRLF FY-2017 Priority System deadlines. Other deadlines not shown above also are contained in the WPCRLF FY-2017 Priority System.**

C. Coordination of Water Pollution Control Revolving Loan Fund Program (WPCRLF) and Rural Utilities Service (RUS) Grant and Loan Program on Jointly Funded Wastewater Projects

General Guidance regarding WPCRLF/RUS coordination: The RUS is an agency of the United States Department of Agriculture which provides loans and grants for water and wastewater projects. Eligible applicants must be public bodies, nonprofit organizations, or Indian tribes that serve communities with populations under 10,000. RUS funds may be used in conjunction with other Federal, State, or local funds.

Applications for RUS funds will be accepted at any time during the year, and involve an environmental review that includes public notifications and comment periods.

RUS projects are funded at any time during the year as long as funds are available. RUS funds are allocated by Congress in October of each year, and are usually spent as complete applications are received. Therefore, it is generally to the applicant's advantage to file applications earlier in the fiscal year.

FY-2017 WPCRLF and RUS Coordination Project Schedule*

9/01/2016**	Loan applicants submit complete WPCRLF facilities plan to MDEQ. The plan must indicate anticipated RUS funding and must indicate if the loan applicant intends to proceed with the project; 1) only if RUS funds are received, or 2) regardless of whether RUS funds are received.
01/2017	MDEQ sends out Draft WPCRLF FY-2017 Intended Use Plan requesting public comments.

02/2017	Commission on Environmental Quality adopts FY-2017 WPCRLF Intended Use Plan accounting for anticipated RUS award amounts if identified in facilities plan.
03/2017	MDEQ notifies RUS of projects included on final FY-2017 Priority List that anticipates receiving FY-2017 RUS funds.
04/01/2017**	Deadline for loan applicants to submit complete WPCRLF loan applications to MDEQ for the total WPCRLF eligible costs, less amount of anticipated RUS award to be applied to WPCRLF costs. If the loan recipient is pursuing a RUS grant/loan to cover part of the cost of construction, the loan recipient has the option to include the anticipated RUS grant /loan amount in the detailed cost breakdown in the application, or may request 100% WPCRLF funding with the possibility of amending the loan application later if the loan recipient is awarded a RUS grant/loan prior to receipt of bids for construction. However, the WPCRLF loan application must be consistent with the WPCRLF facilities plan for the project.
05/2017	MDEQ provides notification to RUS that complete WPCRLF loan applications have been received.
03/2017 - 09/2017	Loan applicants receive WPCRLF loan awards from MDEQ. The amount of the loan will be the total WPCRLF eligible cost less the RUS award amount to be applied to WPCRLF eligible costs.
Upon Loan Award	MDEQ copies RUS on the award letter.
Upon RUS Award	RUS provides notification that RUS awards have been made.

*** Subject to change due to the timing of federal appropriations or program changes.**

**** Included in WPCRLF Priority System deadlines. Other deadlines not shown above also are contained in the WPCRLF FY-2017 Priority System**.

FY- 2017 MISSISSIPPI STATE REVOLVING FUND LOAN PROGRAM

IV.A **"REGULAR"** PRIORITY LIST

Category 4: Existing Facilities Upgrade (Not Meeting Final Limits)

Project/ Permit Number	Project Description	Priority Points	Population	2016 Median Household Income	Loan Amount Requested $ (Millions)	Statewide Cum. Loan $ (Millions)
Town of Leakesville/ MS0020664	Upgrades at WWTP and existing lagoon, build new no-discharge system and PS/FM	*	957	$35,208	$2.1M	$2.1M

* Calculations of Priority Points are incomplete at the present time.

Category 6: New Collection – Existing Buildings

Project/ Permit Number	Project Description	Priority Points	Unsewered Residences Served	Loan Amount Requested $ (Millions)	Statewide Cum. Loan $ (Millions)
Harrison County Utility Authority/ MS0061204	Sewer collection to the Woolmarket Village	300.5	625	$1.3M	$3.4M
Harrison County Utility Authority/ MS0061204	Sewer collection to Pine Haven Mobile Home Village	33.1	115	$0.4M	$3.8M
Harrison County Utility Authority/ MS0061204	Sewer collection to Apple Valley Trailer Park and Henry's Mobile Home Park	23.5	84	$0.3M	$4.1M
City of Wiggins/ MS0061182	New Collection (Phase 2)	7.1	125	$2.2M	$6.3M
West Jackson County Utility District/ MS0045446	New Collection/ Pump Station Consolidation	0.09	20	$4.7M	$11.0M
Harrison County Utility Authority/MS0061191	Sewer collection from Harrison Central High School	0.001	1 (school)	$1.0M	$12.0M

Category 8: Existing Facilities Upgrade (Meeting Final Limits)

Project/ Permit Number	Project Description	Stream Class.	2016 Median House-Hold Income	Loan Amount Requested	Statewide Cum. Loan $ (Millions)
Harrison County Utility Authority/ MS0043141	Forcemain replacement and pump station rehabilitation	Shellfish Harvesting/Recreation	$45,580	$3.7M	$15.7M
Harrison County Utility Authority/ MS0043141	Pump stations rehabilitation and forcemain construction	Shellfish Harvesting/Recreation	$45,580	$3.7M	$19.4M
Harrison County Utility Authority/ MS0030333	Repairs and improvements at the West Biloxi treatment plant headworks	Recreation	$45,580	$2.7M	$22.1M
Harrison County Utility Authority/ MS0034436	Decommission of Eagle Point Lagoon	Recreation	$45,580	$1.0M	$23.1M
City of McComb/ MS0061077	Park Lane Interceptor Upgrade	F&W	$27,980	$6.1M	$29.2M
City of Wiggins/MS0061182	Sewer Rehabilitation (Phase 3)	F&W	$36,243	$1.9 M	$31.1M
City of Tupelo/MS0036111	Sewer lift/pump station rehabilitation	F&W	$41,947	$3.3M	$34.4M
Jackson County Utility Authority/ MS0045446	Jordon Road Regional Pump Station Force Main	F&W	$49,082	$5.1M	$39.5M

FY- 2017 MISSISSIPPI STATE REVOLVING FUND LOAN PROGRAM

IV.B **"SMALL/LOW INCOME"** PRIORITY LIST

Category 8: Existing Facilities Upgrade (Meeting Final Limits)

Project/ Permit Number	Project Description	Stream Class.	Population	2016 Median House-Hold Income	Loan Amount Requested	Eligible Small/Low Income Subsidy Amount	Statewide Cum. Loan $ (Millions)
Town of New Houlka/MS0025216	Upgrade existing lagoon to meet new permit limits	F&W	639	$23,362	$2.1M	$1.0M	$41.6M

IV.C **"GREEN PROJECT RESERVE"** PRIORITY LIST

(No Green Project Reserve–Eligible Projects Met the Deadline to be Ranked This FY)

FISCAL YEAR – 2018 AND AFTER PLANNING LIST

Category 4: Existing Facilities Upgrade (Not Meeting Final Limits)

Project/ Permit Number	Project Description	Priority Points	Possible Funding FY	Population	2016 Median Household Income	Loan Amount Requested $ (Millions)	Eligible Small/Low Income Subsidy Amount $ (Millions)	Estimated Green Project Reserve Eligibility $ (Millions)	Green Project Reserve Category/ Documentation	Statewide Cum. Loan $ (Millions)
City of Magnolia/ MS0061077	Pump Station & Force Main to Eliminate POTW	*	2018	2,472	$25,497	$ 2.5 M	$1.0 M	N/A	N/A	$ 2.5M
City of Starkville/ MS003145	Sewer System Rehab	*	2018	24,816	$26,159	$3.0 M	N/A	N/A	N/A	$ 5.5M
Town of Coldwater/ MS0024678	Phase 1 - New WWTP and New Pump Station/Force Main from North Lagoon	*	2018	1,801	$26,822	$ 3.1 M	N/A	N/A	N/A	$ 8.6M
Town of Coldwater/ MS0026934	Phase 2 - Sewer Rehabilitation	*	2018	1,801	$26,822	$ 1.6 M	N/A	N/A	N/A	$ 10.2M
Town of Coldwater/ MS0026934	Phase 3 - Sewer Rehabilitation	*	2018	1,801	$26,822	$ 1.3 M	N/A	N/A	N/A	$ 11.5M
Town of Tutwiler/ MS0025054	Upgrade WWTF & Rehab Lift Stations 1 & 4	*	2018	3,513	$27,167	$ 4.9 M	N/A	N/A	N/A	$ 16.4M

FISCAL YEAR – 2018 AND AFTER PLANNING LIST - Continued

Category 4: Existing Facilities Upgrade (Not Meeting Final Limits) - Continued

Project/ Permit Number	Project Description	Priority Points	Possible Funding FY	Population	2016 Median Household Income	Loan Amount Requested $ (Millions)	Eligible Small/Low Income Subsidy Amount $ (Millions)	Estimated Green Project Reserve Eligibility $ (Millions)	Green Project Reserve Category/ Documentation	Statewide Cum. Loan $ (Millions)
City of Hazlehurst/	Upgrades at WWTP and pump stations; new collection in areas adjacent to the city limits	*	2018	4,072	$29,086	$3.1 M	N/A	N/A	N/A	$19.5M
City of Hattiesburg/ MS0020303	South WWTF Upgrade (Phase 1)	*	2018	47,124	$31,103	$47.0 M	N/A	N/A	N/A	$66.5M
City of Hattiesburg/ MS0020303	South WWTF Upgrade (Phase 2)	*	2018	47,124	$31,103	$49.0 M	N/A	N/A	N/A	$115.5M
City of Hattiesburg/ MS0020303	South WWTF Upgrade (Phase 3)	*	2018	47,124	$31,103	$38.0 M	N/A	N/A	N/A	$153.5M
Town of Utica/ MS0020613	Wastewater Treatment Plant upgrade to meet Phase II Limits	*	2018	832	$31,191	$ 1.7 M	N/A	N/A	N/A	$155.2M
Town of Bolton/ MS0021032	Upgrade Lagoon to Meet Phase II Limits	*	2018	568	$32,083	$ 0.5 M	N/A	N/A	N/A	$155.7M
City of Jackson/ MS0024295	Savanna WWTP Improvements Phase 1	*	2018	172,149	$33,450	$15.1 M	N/A	N/A	N/A	$170.8M
City of Jackson/ MS0024295	Savanna WWTP Improvements Phase 2	*	2019	172,149	$33,450	$15.1 M	N/A	N/A	N/A	$185.9M

FISCAL YEAR – 2018 AND AFTER PLANNING LIST - Continued

Category 4: Existing Facilities Upgrade (Not Meeting Final Limits) – Continued

Project/ Permit Number	Project Description	Priority Points	Possible Funding FY	Population	2016 Median Household Income	Loan Amount Requested $ (Millions)	Eligible Small/Low Income Subsidy Amount $ (Millions)	Estimated Green Project Reserve Eligibility $ (Millions)	Green Project Reserve Category/ Documentation	Statewide Cum. Loan $ (Millions)
City of Ripley/ MS0020958	Sewer System Rehabilitation	*	2018	5,364	$35,525	$ 2.1 M	N/A	N/A	N/A	$188.0M
City of Ripley/ MS0020958	Wastewater Treatment Plant Iprovements	*	2018	5,364	$35,525	$3.1 M	N/A	N/A	N/A	$191.1M
City of Oxford/ MS0029017	Sewer System Rehabilitation	*	2018	21,580	$35,420	$14.0 M	N/A	N/A	N/A	$205.1M
City of Guntown/ MS0023655	Sewer System Rehabilitation	*	2018	2,166	$45,742	$ 1.0 M	N/A	N/A	N/A	$206.1M
City of Raymond/ MS0054992	Take East Lagoon Offline; Transport to Clinton South-side	*	2018	1,988	$49,428	$1.6 M	N/A	N/A	N/A	$207.7M
Town of Caledonia/ MS0024805	Wastewater Treatment Plant Upgrade	*	2018	1,090	$52,602	$ 1.4 M	N/A	N/A	N/A	$209.1M
West Rankin Utility Authority/MS0061743	New WWTP construction and upgrades to existing facilities	*	2018	94,433	$57,523	$23.0 M	N/A	N/A	N/A	$232.1M
Lake Lorman Utility District/ MS0043401	WWTP Upgrades to meet Phase II Limits.	*	2018	N/A	N/A	$ 1.0 M	N/A	N/A	N/A	$233.1M
Hattiesburg Laurel Regional Airport Authority	Expansion of existing sewage treatment system	*	2018	N/A	N/A	$0.3 M	N/A	N/A	N/A	$233.4M

* Calculations of Priority Points are incomplete at the present time.

FISCAL YEAR – 2018 AND AFTER PLANNING LIST – Continued

Category 6: New Collection – Existing Buildings

Project/ Permit Number	Project Description	Priority Points	Unsewered Residences Served	Requested Funding FY	Population	2016 Median Household Income	Loan Amount Requested $ (Millions)	Eligible Small/Low Income Subsidy Amount $ (Millions)	Estimated Green Project Reserve Eligibility $ (Millions)	Green Project Reserve Category/ Documentation	Statewide Cum. Loan $ (Millions)
City of Hernando/ MS0062227	New Collection	5.3	105	2018	15,545	$68,844	$2.1 M	N/A	N/A	N/A	$235.5 M
Town of Farmington/ MS0061328	New Collection – Clear Creek Basin	4.5	52	2018	2,206	$35,644	$ 0.6 M	N/A	N/A	N/A	$236.1M
City of Baldwyn/ MS0020087	New Collection	3.0	112	2018	3,325	$23,858	$ 4.2 M	N/A	N/A	N/A	$240.3M
Town of Farmington/ MS0061328	New Collection – Seven Mile Creek Basin	1.8	19	2018	2,206	$35,644	$ 0.2 M	N/A	N/A	N/A	$240.5M
Town of Coldwater/ MS0024678	Phase 4 – Sewer Extension	0.2	12	2018	1,801	$26,822	$ 0.7 M	N/A	N/A	N/A	$241.2M
Jackson Co. Utility Authority/ MS0045446	New Collection - Woodlake Ln (E of Old Ft Bayou)	N/A	N/A	2018	144,402	$49,082	$1.5 M	N/A	N/A	N/A	$242.7M

FISCAL YEAR – 2018 AND AFTER PLANNING LIST - Continued

Category 7: Wastewater Overflow/Bypass Elimination Projects

Project/ Permit Number	Project Description	Stream Class.	Population	Requested Funding FY	2016 Median House-Hold Income	Loan Amount Requested $ (Millions)	Eligible Small/Low Income Subsidy Amount $ (Millions)	Estimated Green Project Reserve Eligibility $ (Millions)	Green Project Reserve Category/ Documentation	Statewide Cum. Loan $ (Millions)
City of Greenville/ MS0020184	Sarullo Sanitary Sewer Improvements	F&W	33,172	2018	$27,743	$ 0.6 M	N/A	N/A	N/A	$243.3M
City of Greenville/ MS0020184	North Theobald Sanitary Sewer Improvements	F&W	33,172	2018	$27,743	$ 0.3 M	N/A	N/A	N/A	$243.6M
Town of Mt Olive/ MS0020699	Repair/replacement of collapsed sewer line to eliminate bypasses/ overflows, and rehabilitation to eliminate I & I	F&W	1,035	2018	$29,410	$ 0.5 M	$ 0.35 M	N/A	N/A	$244.1M

Category 8: Existing Facilities Upgrade (Meeting Final Limits)

Project/ Permit Number	Project Description	Stream Class.	Population	2016 Median House-Hold Income	Requested Funding FY	Loan Amount Requested	Eligible Small/Low Income Subsidy Amount $ (Millions)	Estimated Green Project Reserve Eligibility $ (Millions)	Green Project Reserve Category/ Documentation	Statewide Cum. Loan $ (Millions)
Town of Shubuta/ MS00330155	Sewer Replacements – Phase II	Rec	432	$26,280	2018	$ 0.3 M	$ 0.225 M	N/A	N/A	$244.4M
Town of Verona/ MS0042048	Sewer Rehab	F&W	3,236	$23,452	2018	$ 2.0 M	N/A	N/A	N/A	$246.4M

FISCAL YEAR – 2018 AND AFTER PLANNING LIST - Continued

Category 8: Existing Facilities Upgrade (Meeting Final Limits) – Continued

Project/ Permit Number	Project Description	Stream Class.	Population	2016 Median House-Hold Income	Requested Funding FY	Loan Amount Requested	Eligible Small/Low Income Subsidy Amount $ (Millions)	Estimated Green Project Reserve Eligibility $ (Millions)	Green Project Reserve Category/ Documentation	Statewide Cum. Loan $ (Millions)
Louisville Utilities/ MS0025640	East Lagoon Pump Station Rehab	F&W	6,355	$27,907	2018	$1.8 M	N/A	N/A	N/A	$248.2M
City of Vicksburg/ MS0022381	Stouts Bayou Interceptor, Riverside Interceptor & Dorsey Street Force Main Rehab	F&W	23,700	$28,741	2018	$ 8.0 M	N/A	N/A	N/A	$256.2M
Tunica County Utility District/	Upgrades/Improvements to treatment facilities and associated collection and transport system(s)	F&W	11,028	$29,060	2018	$2.8 M	N/A	N/A	N/A	$259.0M
City of Laurel/ MS0024163 MS0020176	Rehabilitation of existing sewer lines	F&W	18,413	$29,193	2018	$3.3 M	N/A	N/A	N/A	$262.3M
City of Corinth/ MS0061328	Sewer Rehab	F&W	14,967	$31,633	2018	$3.0 M	N/A	N/A	N/A	$265.3M
City of Cleveland/ MS0026567	WWTP Construction Upgrade to Meet New Limits – Phase II	F&W	12,572	$33,275	2018	$21.7 M	N/A	N/A	N/A	$287.0M

FISCAL YEAR – 2018 AND AFTER PLANNING LIST - Continued

Category 8: Existing Facilities Upgrade (Meeting Final Limits) – Continued

Project/ Permit Number	Project Description	Stream Class.	Population	2016 Median House-Hold Income	Requested Funding FY	Loan Amount Requested	Eligible Small/Low Income Subsidy Amount $ (Millions)	Estimated Green Project Reserve Eligibility $ (Millions)	Green Project Reserve Category/ Documentation	Statewide Cum. Loan $ (Millions)
City of Jackson/ MS0024295	Slip Lining Sewer Main & new metering station at the Savanna Street WWTP	F&W	172,149	$33,450	2018	$ 1.4 M	N/A	N/A	N/A	$288.4M
City of Jackson/ MS0044059	Upgrade Trahon-Big Creek POTW to be able to meet Phase II Limits	F&W	172,149	$33,450	2018	$10.0 M	N/A	N/A	N/A	$298.4M
City of Jackson/ MS0024295	Replace the influent pump station at the Savanna Street WWTF	F&W	172,149	$33,450	2018	$ 12.9 M	N/A	N/A	N/A	$311.3M
City of Jackson/ MS0024295	West Bank Interceptor Rehab (multiple areas)	F&W	172,149	$33,450	2018	$14.0 M	N/A	N/A	N/A	$325.3M
City of Senatobia/ MS0052221	Replace existing WWTP, repair/rehab existing lift stations	F&W	8,389	$39,783	2018	$7.3 M	N/A	N/A	N/A	$332.6M

FISCAL YEAR – 2018 AND AFTER PLANNING LIST - Continued

Category 8: Existing Facilities Upgrade (Meeting Final Limits) – Continued

Project/ Permit Number	Project Description	Stream Class.	Population	2016 Median House-Hold Income	Requested Funding FY	Loan Amount Requested	Eligible Small/Low Income Subsidy Amount $ (Millions)	Estimated Green Project Reserve Eligibility $ (Millions)	Green Project Reserve Category/ Documentation	Statewide Cum. Loan $ (Millions)
City of Flora/ MS005579	New effluent pump station & force main	F&W	2,110	$46,274	2018	$ 2.0 M	N/A	N/A	N/A	$334.6M
City of Flora/ MS005579	New effluent pump station & force main	F&W	2,110	$46,274	2018	$ 2.0 M	N/A	N/A	N/A	$334.6M
Town of Terry/ MS0025224	Wastewater Treatment Plant Upgrade	F&W	1,092	$48,236	2018	$ 1.1 M	N/A	N/A	N/A	$335.7M
Jackson County Utility Authority/ MSU085050	West Jackson County Artificial Wetlands WWTF Rehab	F&W	144,402	$49,082	2018	$ 2.4 M	N/A	N/A	N/A	$338.1M
City of Ridgeland/ MS0024295	Eliminate several pump stations and divert flow to nearby gravity sewers	F&W	25,416	$54,814	2018	$ 1.5 M	N/A	$ 1.5 M	Energy Efficiency/ Categorical	$339.6M
City of Ocean Springs	Rehabilitation and/or replacement of existing facilities throughout the system	F&W	18,210	$59,171	2018	$5.0 M	N/A	N/A	N/A	$344.6M

FISCAL YEAR – 2018 AND AFTER PLANNING LIST - Continued

Category 8: Existing Facilities Upgrade (Meeting Final Limits) – Continued

DeSoto Co. Regional UA/ MS0058483	Nolehoe Creek Int Upgrade/Ross Road Lagoons Conversion to Eq Basins	F&W	48,894	$59,920	2018	$8.0 M	N/A	N/A	N/A	$352.6M
DeSoto Co. Regional UA/ MS0058483	Ross Road WWTF Equalization Basin	F&W	48,894	$59,920	2018	$2.5 M	N/A	N/A	N/A	$355.1M
DeSoto Co. Regional UA/ MS0058483	Nolehoe Pipeline Upgrades	F&W	48,894	$59,920	2018	$2.4 M	N/A	N/A	N/A	$357.5M

FISCAL YEAR – 2018 AND AFTER PLANNING LIST - Continued

Category 9: New Facilities (Developmental) Projects

Project/ Permit Number	Project Description	Stream Class.	Population	Requested Funding FY	2016 Median House-Hold Income	Loan Amount Requested $ (Millions)	Eligible Small/Low Income Subsidy Amount $ (Millions)	Estimated Green Project Reserve Eligibility $ (Millions)	Green Project Reserve Category/ Documentation	Statewide Cum. Loan $ (Millions)
DeSoto Co. Regional UA/ MS0058483	Biosolids Handling	F&W	48,894	2018	$59,920	$9.3 M	N/A	N/A	N/A	$366.8M
DeSoto Co. Regional UA/ MS0058483	Camp Creek Interceptor	F&W	48,894	2018	$59,920	$11.6 M	N/A	N/A	N/A	$378.4M
DeSoto Co. Regional UA/ MS0058483	Coldwater River WWTF	F&W	48,894	2018	$59,920	$17.3 M	N/A	N/A	N/A	$395.7M

Abbreviations/Definitions

Co. Bd. of Sup. =	County Board of Supervisors
Coll =	Wastewater collection sewers which receive wastewater directly from residences and businesses.
Cont. =	Contract
Drainage Basin =	A region of land where water from rain drains downhill into a body of water, such as a river, lake, dam, estuary, wetland, sea or ocean.
HWY =	Highway
Int =	Wastewater interceptor sewers, pump stations, and force mains.
Rehab =	Sewer system rehabilitation to remove excessive infiltration and inflow and/or to remove overflows and bypasses of wastewater.
Replacement =	Replacement of collection and interceptor lines
Segment =	Segmented project, a project for which the allowable costs exceed, in a given fiscal year, the amount that the Department can provide.
Trt =	Wastewater treatment facilities.

D. Water Pollution Control Revolving Loan Fund Program Ranking and Funding Rationale

1. Projects will be ranked on one of the following three Priority lists.

- Small/Low Income Communities Priority List – To be ranked on this list a project must meet the definition of projects described in one of the WPCRLF Priority System Categories Three (3) through Eight (8) as outlined in Section IV.E, below; and must serve a community/loan applicant which has a population of 3,000 or less and a median household income of $30,000 or less. Projects on this list will be ranked within their respective categories based on the "affordability criteria" outlined in Part II, Section III.O, below.

  For the purposes of this section, a "community" is generally defined as the entire area within the applicant's political boundaries (incorporated area, certified area, etc.); however, if a county is the applicant, a clearly defined area within the county which is to be served by the proposed project, and which is not within the political boundaries of any other entity within the county, may be considered the community if determined appropriate and reasonable by the Department.

  The median household income used in this determination shall be that defined in the ESRI Business Analyst 2016 Demographics and Income Profile (the same source which previously published the Community Sourcebook of Zip Code Demographics, historically used for such determinations in the WPCRLF Program).

  Projects ranked on this Priority List will be eligible to receive loan subsidy in the form of principal forgiveness equal to 75% of the total loan amount. After bids are received the subsidy amount will be adjusted, to reflect 75% of the amount resulting from subtraction of any included construction contingency from the total as-bid loan amount, provided adequate subsidy remains available for any needed loan increases. Notwithstanding the above-described subsidy percentage, the cumulative subsidy provided to any single recipient for projects ranked on this Small/Low Income priority list shall not exceed $1,000,000.

  To insure that the "small/low income communities" have a dedicated source of loan funds and will not have to compete with larger/higher income communities for funding, the Department is setting aside $2.1 million in available funds for qualifying projects in small/low income communities. However, subsidy fund availability for these projects will be limited as described in Section IV.D.6. Any funds not obligated for small/ low income communities by September 15, 2017 may be released and made available to any eligible loan recipient on the regular or green "project" reserve priority list, or to any project on the FY-18 and After Planning List which is ready for loan award.

  "Green Project Reserve" Priority List – To be ranked on this list a project must meet the definition of projects described in any of the WPCRLF Priority System Categories as outlined in Section IV.E, below; and, at least 25% of the scope of

work must qualify as "green," as determined by EPA's 2012 CWSRF 10% Green Project Reserve: Guidance for Determining Project Eligibility.

To ensure that "green projects" have a dedicated source of loan funds and will not have to compete with "regular" projects for funding, the Department is setting aside $5.3 million in available funds for "green" projects. Any funds not obligated for "green project reserve" projects by September 15, 2017 may be released and made available to any eligible loan recipient on the regular or small/ low income priority list, or to any project on the FY-18 and After Planning List which is ready for loan award.

During its solicitation of projects for FY-17 funding the Department did not receive sufficient eligible applications for green infrastructure, water or energy efficiency improvements, or other environmentally innovative activities to be able to obligate ten percent (10%) of the FY-17 allotment to "green projects." Therefore, in an effort to meet the "Green Project Reserve" objective, the Department intends to continue pursuing "green" projects, and carry these FY-17 funds over into FY-18 to be obligated in the FY-18 Intended Use Plan.

- Regular WPCRLF Priority List – All other ranked projects that do not qualify for the Small/Low Income Communities Priority List or the "Green Project Reserve" Priority List will be placed on the Regular WPCRLF Priority List.

2. Projects will be placed on the applicable priority list according to priority ranking and will be awarded loans based upon each project's readiness to award.

   - The order of project categories in this Priority System reflect the Department's mission statement, "... to safeguard the health, safety and welfare of present and future generations of Mississippians by conserving and improving our environment and fostering wise economic growth through focused research and responsible regulation." The Department's intent in developing this priority system is to fund projects in the order of greatest benefit to the public health and the environment, and within certain categories to assist those communities that are least able to afford the needed environmental facilities without a low interest loan available through this program.

   - The term "ready to award" means that all loan application requirements established in the program regulations are met, and all documents necessary for loan award are approved. If a project cannot reasonably be expected to meet the Priority System deadlines, then the project will not be placed on the current year priority list, but rather will be placed on the planning list. Loans will be awarded for projects within the available funds in the following order:

     a. Projects on the current year priority lists that meet all Priority System deadlines will be funded when they are ready to award.

     b. Should any project on the current year priority lists fail to comply with any of the deadlines in this Priority System, the funds reserved for said project will

be released and made available to projects on the current year priority list that are ready to award, on a first-come first-served basis.

c. If it becomes apparent that the projects on the current year's priority lists will not utilize all assumed available funds by the end of the current fiscal year, projects on the planning list that are ready to award will be funded from these remaining funds on a first-come, first-served basis.

d. Should less than the assumed funds become available, projects shown for funding in the current fiscal year that are ready to award will be funded as described above within the available funds.

e. Should more than the assumed funds become available from loan decreases, early loan payoffs, or other sources, these funds may be used for loan increases, to increase project amounts shown for funding in the current fiscal year, and/or to fund projects on the planning list that are ready to award, as determined appropriate by the Department.

f. Subsidy funds will be awarded as described in Section IV.D.6.

3. Coordination With Mississippi Basin Management Approach

Recognizing that the health and welfare of Mississippians, wildlife, fish and other aquatic life are directly affected by the quality of Mississippi's waters, the Department began implementing the Basin Management Approach (BMA) in 1998. The BMA is a collaborative, interagency initiative designed to improve and maintain the quality of our water resources through comprehensive long-range water quality planning and management strategies. The BMA includes planning, data gathering, data assessment, Total Maximum Daily Load (TMDL) development, development of watershed management plans, and watershed project implementation.

In order to support the worthwhile goals of the BMA, higher ranking will be given to projects identified by the Basin Management Branch that implement watershed management plans to address water body impairments. These high priority BMA projects will be ranked at the beginning of each Priority Category beginning with the Raw Discharge Category through the Existing Facilities Upgrade (Meeting Final Limits) Category. If a Priority Category is divided into various subcategories, these projects will be ranked at the beginning of each subcategory.

If more than one high priority BMA project is ranked in a priority category, these projects will be moved to the beginning of that category and or subcategory and will be ranked in accordance with the Priority System.

4. WPCRLF Loans to Match EPA Special Appropriations Projects (SPAPs)

On August 16, 2001 EPA issued a class deviation from the provisions of 40 CFR 35.3125(b)(1). This class deviation will allow the non-federal, non-state match WPCRLF funds to be used to provide loans that can be used as local match for SPAP grants awarded to construct water pollution control projects.

These non-federal, non-state match WPCRLF loan funds will be made available to eligible SPAP grant recipients that are on the current year priority list for use as local match funds for their SPAP grants, provided the SPAP grant is for WPCRLF loan eligible work. Such projects will be funded in accordance with the Priority System, and until all non-federal, non-state match monies have been obligated or demand for such funds has been met.

5. Loan Increase Reserve

Beginning in FY-2001 the Department began making loan awards after approval of the facilities plan and loan application rather than after completion of design. This change in the loan award sequence increases the likelihood that bid overruns may be greater than the construction contingency included in the loan agreement, and that additional loan funds may be needed to ensure that these projects are completed. In order to provide needed loan increases to existing loans, the Commission intends to set aside the amounts identified in Appendix A for such loan increases to be awarded on a first-come, first-served basis. Any funds not obligated for this purpose by the end of the fiscal year may be made available for new loans ready for award on a first-come, first-served basis from either the Priority List or the Planning List.

If these loan increase reserve funds are exhausted during the year, and additional funds are needed for loan increases to cover bid overruns or other project cost increases to ensure that on-going projects are completed, the Department may use funds recovered from loan decreases or other sources during the year to fund such needed loan increases.

6. Subsidy Increase Reserve

Due to the limited subsidy funds availability anticipated during FY-2017, all subsidy funds which become available for obligation, including any subsidy funds recovered from loan decreases, will be reserved until September 1, 2017, for making subsidy increases after bids to subsidy-eligible projects funded prior to FY-2017. The total amount of subsidy resulting from any such increase shall be limited as outlined in Section IV.D.1. Any subsidy funds not obligated for such increases by September 1, 2017, may be made available for funding new subsidy-eligible projects in priority order on the "Small Low Income" Priority List, as outlined in Section IV.D.1.

E. Priority System Categories

1. The first category of projects on the Priority List will be the Segmented Projects. These projects include any remaining segments of projects that previously received funding for an integral portion of that project, and are necessary for the entire project to be functional. Projects will be funded under this category in order of their regular priority ranking provided they meet the deadlines established in Section F.

   In order to maintain continuity, the Commission intends to make some amount of funds available for each ongoing-segmented project. Preference in the amount of funds to be provided will be given to the projects that received the earliest loan award for their initial segment.

2. The second category of projects will be the Previous Year Standby Projects. This category of projects includes projects that 1) were listed on the previous year's Planning List within an amount of approximately 25% of that year's total available funds, 2) met all applicable Priority System deadlines in the previous fiscal year, and 3) were not funded because of a lack of WPCRLF funds or did not receive an assurance of CDBG, ARC, RUS, CIAP or other match funding in the previous fiscal year. Within this category, these projects will be ranked according to the current Priority System.

3. The third category of projects will be the Raw Discharge Correction Projects for communities with sewage collection systems but no treatment facilities. This is necessary to ensure that the water quality problems associated with continuous discharges of untreated sewage from these systems are addressed as required by the federal Clean Water Act. Projects within this category will be ranked in order of the highest estimated discharge flow rate.

   If a project in this category is identified as a high priority BMA project, that project will be ranked at the beginning of the list within this category.

4. The fourth category of projects will be the Existing Facilities Upgrade (Not Meeting Final Limits) Projects. The scope of these projects may include only the upgrade, expansion, replacement, rehabilitation, and repair (including infiltration/inflow removal) of existing wastewater transportation and treatment facilities, or drinking water sludge discharge treatment facilities, necessary to bring the existing treatment facility into compliance with final effluent limitations, or to eliminate existing facilities not meeting final limits. Projects will be funded under this category in order of priority points, provided they meet the deadlines established in the Priority System. The priority points will be determined as established in Section G of this Priority System. These projects will not be considered for funding if a Commission Order schedule requires construction of these projects substantially prior to the Priority System deadlines

   If a project in this category is identified as a high priority BMA project, that project will be ranked at the beginning of the list within this category.

5. The fifth category will be Non-Point Source and Storm Water Pollution Correction Projects which may include program costs, conservation easements, sedimentation basins, levees, canals and other structures for the purpose of correcting non-point and storm water sources of pollution.

   These projects must be consistent with any applicable Section 319 Management Programs approved by the Department of Environmental Quality. The projects within this category will be ranked in order of the highest receiving stream classification that is being negatively impacted by these sources of pollution.

   Receiving stream classifications will be ranked in the following order: Public Water Supply; Shellfish Harvesting; Recreation; Fish & Wildlife; and Ephemeral. Within each stream classification, projects will be ranked by the highest acreage of runoff that is contributing to the non-point and/or storm water sewer pollution problem, and that will be addressed by the project.

   If a project in this category is identified as a high priority BMA project, that project will be ranked at the beginning of the list within the subcategory where the project is currently ranked.

6. The sixth category will be the New Collection – Existing Buildings Projects that are necessary to construct eligible sewers and treatment facilities for existing (at the time of facilities plan submittal) residences, businesses and public buildings. Projects in this category may not include the construction of wastewater treatment or transportation facilities to serve areas that are not developed at the time of facilities plan submittal.

   The system for ranking collection systems is designed to give highest ranking to those projects serving an individual drainage basin within the loan recipient's political boundaries that: 1) will correct the most potential health problems (this is described below by the term "Residences Served") and 2) are most cost effective (this is described below by the term "Residences Served/Total Eligible Cost for Entire Project"). Priority points will then be calculated as follows:

$$\text{Priority Pts.} = \frac{(\text{Residences Served}) \times (\text{Residences Served}) \times 1000}{(\text{Total Eligible Cost for Entire Project})}$$

   If ties occur in priority points those projects will be ranked according to the highest number of residences served. The term "residences served" includes businesses and public buildings.

   The term "Total Eligible Cost for Entire Project" means the total eligible cost to construct the collection and interceptor system for an individual drainage basin within the loan recipient's political boundaries and to cause the wastewater treatment facility to meet final effluent limits at the time the collection project is predicted for funding.

   Except as allowed in Section IV.E.11, collection sewers will not be funded prior to funding of the treatment portion of a project necessary to cause the wastewater treatment facility to meet final effluent limits.

If a project in this category is identified as a high priority BMA project, that project will be ranked at the beginning of the list within this category.

7. The seventh category of projects will be the Wastewater Overflow/Bypass Elimination Projects. The scope of these projects may include only the replacement, rehabilitation, and/or repair of existing transportation facilities that are necessary to eliminate documented bypasses and/or overflows of raw sewage from these transportation facilities for a 2 year, 24-hour rainfall event, as documented in the facilities plan for the project and approved by the Department.

   To be eligible for this category the bypasses and/or overflows documented in the facilities plan must have been reported, by the deadline for submission of the facilities plan, to the Department in accordance with the requirements of the loan applicant's NPDES permit.

   These projects will be ranked in order of the highest receiving stream classification that will be negatively impacted by the bypass and/or overflow. Receiving stream classifications will be ranked in the following order:

   Public Water Supply, Shellfish Harvesting, Recreation, Fish & Wildlife, and Ephemeral. Within each stream classification above, projects will be ranked from the lowest to the highest 2016 median household income as displayed in the publication "ESRI Business Analyst Demographic and Income Profile Report".

   If a project in this category is identified as a high priority BMA project, that project will be ranked at the beginning of the list within the subcategory the project is currently ranked.

8. The eighth category of projects will be the Existing Facilities Upgrade (Meeting Final Limits) Projects. Included within the scope of these projects may be the upgrade, expansion, replacement, rehabilitation, and repair of existing wastewater treatment and transportation facilities, including the removal of infiltration/inflow. The scope of these projects may not include the construction of new wastewater treatment or transportation facilities if none now exists.

   These projects will be ranked first in order of the highest receiving stream classification that would be negatively impacted by wastewater should the facilities to be upgraded fail. Receiving stream classifications will be ranked in the following order:

   Public Water Supply, Shellfish Harvesting, Recreation, Fish & Wildlife, and Ephemeral. Within each stream classification above, projects will be ranked from the lowest to the highest 2016 median household income as displayed in the publication "ESRI Business Analyst Demographic and Income Profile Report".

   If a project in this category is identified as a high priority BMA project, that project will be ranked at the beginning of the list within the subcategory the project is currently ranked.

9. The ninth category will be New Facilities (Developmental) Projects. These projects may include the expansion or upgrade of existing wastewater treatment and transportation facilities and the construction of new wastewater treatment and transportation facilities to accommodate future growth within the design flow for the planning area to be served. Transportation facilities may include interceptors, pump stations, force mains, and collector lines. The projects within this category will be ranked from the lowest to the highest 2016 median household income for the community, as displayed in the publication "ERSI Business Analyst Demographic and Income Profile Report".

10. The tenth and final category will be Industrial Projects. The facilities to be built or upgraded under this category must be owned and constructed by a WPCRLF loan eligible public entity and may include industrial wastewater treatment and transportation facilities. The projects within this category will be ranked from the lowest to the highest 2016 median household income for the community, or nearest community, as displayed in the publication "ERSI Business Analyst Demographic and Income Profile Report".

11. New collection sewer projects will be funded only under the New Collection – Existing Buildings category or the New Facilities (Developmental Projects) category.

12. The complete treatment portion of a project, as necessary to cause the wastewater treatment facility to meet final limits, must be funded prior to or along with any other project portion, except in the case of a recently acquired facility that has or will be given interim limits with a schedule to meet the final limits. In such case other project portions may be funded first provided the facility complies with the schedule to meet final limits.

F. Priority System Deadlines

1. By January 15, 2017, the loan applicant must submit to MDEQ the complete WPCRLF facilities plan, prepared in accordance with the WPCRLF loan program regulations and the "Guidance For Water Pollution Control Revolving Loan Fund Projects Funded Beginning Federal FY 2016 (October 1, 2015 and After)." A complete WPCRLF facilities plan includes all IGR agency comments; a copy of the public notice for the proposed project; copies of any comments received from the public; and, a summary of how each comment was addressed. The loan applicant should also submit one copy of the facilities plan to the Rural Utilities Service (formerly Farmers Home Administration) if the loan applicant has existing debt with Rural Utilities Service, along with a request for their approval to incur this additional debt.

   Any significant changes made to the facilities plan (i.e., changes in the chosen alternative, location of the facility, cost increases that substantially affect the financial capability of the loan recipient, etc.) after this date will be considered as a first submittal of the facilities plan. The loan applicant will then be considered to be in violation of this Priority System deadline and the project will be placed on the planning portion of the

Priority List, or if the change is made after adoption of the Intended Use Plan, funds reserved for this project may be released and made available to other projects.

(Note: Due to adequate funds availability, projects currently pursuing FY-17 funding, but for which the facilities plan submitted by this deadline was not considered "complete," have also been included on the FY-17 Priority List, provided that their inclusion did not adversely impact funding for any projects which met the deadline.)

2. By April 1, 2017, a completed WPCRLF loan application and all associated documents required by the WPCRLF regulations and the "Guidance For Water Pollution Control Revolving Loan Fund Projects Funded Beginning Federal FY 2016 (October 1, 2015 and After)" must be submitted to MDEQ. Prior to preparing these documents the loan recipient and/or consulting engineer should request and attend a pre-application conference. This deadline must be met to be able to qualify for the Previous Year Standby Category in the FY-18 IUP.

3. By August 1, 2017 all approvable documents and responses to Department comments necessary for loan award must be submitted to the Department for review and approval. This deadline must be met to be able to qualify for the Previous Year Standby Category in the FY-18 IUP. Projects on the Planning List or projects on the current year list that had their funds released should also meet this deadline in order to allow for Department reviews/approvals necessary for loan award prior to the end of the fiscal year.

4. By September 15, 2017 any "Small/Low Income" or "Green Project Reserve" funds that have not been awarded to a project may be released and made available to any project that is ready for loan award on a first-come, first-served basis.

G. Priority Point Formula for Existing Facilities (Not Meeting Final Limits) Category Projects.

1. Priority points for these projects will be calculated using the following formula for each stream classification impacted:

Priority Points = (Stream Classification Factor)
X
(Existing Water Quality Problem Factor)
X
(Achievement of Stream Use Factor)

Calculation of Factors:

a. Stream Classification Factor - Factors will be assigned as follows based on the type of stream that the present wastewater discharge impacts:

Stream Classification	Factor
Ephemeral	1

Fish & Wildlife ($Q_{10/7} > 0$)	5
Recreation	15
Shellfish Harvesting	25
Public Water Supply	30

Stream classifications for all bodies of water within the State have been established and adopted by the Commission on Environmental Quality as part of the State Water Quality Standards.

Recreational waters are those which have been classified as such by the Commission.

b. Existing Water Quality Problem Factor - Factors will be assigned based on the extent of the water quality problem presently caused by the existing wastewater discharge. The Dissolved Oxygen Problem Factor, the Public Health/ Bacteria Problem Factor, the Ammonia Toxicity Problem Factor, and the Chlorine Toxicity Problem Factor will be added to arrive at the total Existing Water Quality Problem Factor.

Water Quality Problem Factor = D. O. Problem Factor + Public Health/Bacteria Problem Factor + Ammonia Toxicity Problem Factor + Chlorine Toxicity Problem Factor + 1 (if a minimum of secondary treatment is not presently provided).

i. Dissolved Oxygen Problem Factor - This factor will be determined by use of the BOD, and flow values specified in the present limitations of the NPDES permit, unless significantly different from present effluent characteristics. These limitations will be entered into the standard wasteload allocation formula and a minimum dissolved oxygen concentration in the stream will be predicted for the existing wastewater discharge. The dissolved oxygen deficit is the difference between the dissolved oxygen standard, which is normally 5.0 mg/l, and the predicted minimum dissolved oxygen in the stream.

This dissolved oxygen deficit is then multiplied by the stream miles (or equivalent stream miles) which presently have a dissolved oxygen concentration below the designated standard to obtain the Dissolved Oxygen Problem Factor as shown below:

Dissolved Oxygen Problem Factor = (D.O. deficit) x (Stream or Equivalent Stream miles below standard)

In order to rank all projects (on both inland and estuary waters) together, it is necessary to develop a relationship between stream miles impacted and estuary waters impacted. The term "equivalent stream miles" has been developed for estuaries based on the premise that the surface area of a body of water most directly represents the value of the water body in terms of a fisheries resource, recreational use, etc. In calculation of "equivalent stream miles" it is assumed that

a typical stream width is 50 feet. The area (in square feet) of the estuary impacted, as determined by the math model, is then divided by {50 feet x 5,280 feet/mile} to give the "equivalent stream miles". Equivalent stream miles will only be calculated for bay-like estuary segments. All other estuary segments will be measured in actual miles like freshwater streams.

For streams impacted by more than one discharge, the D.O. problem factor will be determined by using the difference between the D.O. factor with all discharges and the D.O. factor considering the discharge in question removed. If there is more than one discharge

from the same project on the same stream, miles impacted will only be counted once.

ii. Public Health/Bacteria Problem Factor - This factor will be determined based on whether or not the existing discharge has a bacterial impact on Recreational, Water Supply, Shellfish Harvesting or Fish & Wildlife waters. Discharges into Ephemeral waters are considered to have no bacterial impact, unless a public health problem can be documented in the receiving stream.

A discharge into Recreational, Water Supply, or Fish & Wildlife waters is considered to have a bacterial impact on such waters if the discharge is not disinfected, or if present disinfection facilities are inadequate. A discharge is considered to have a bacterial impact on Shellfish harvesting waters if the National Shellfish Sanitation Program Criteria are not met in the waters impacted by the discharge or if present disinfection facilities are inadequate.

Factors will be assigned for the bacteria problem as follows:

No Impact - 0
Bacteria Impact - 20

iii. Ammonia Toxicity Problem Factor - This factor will be determined by use of the NH_3, and flow values specified in the present limitations of the NPDES permit, unless significantly different from the present effluent characteristics. If an NH_3 limit is not present in the permit, an NH_3 concentration typical of the effluent from the current facility will be selected. As with the Dissolved Oxygen Problem Factor, these limitations will be entered into the standard wasteload allocation formula and an in-stream NH_3 concentration will be predicted for the existing wastewater discharge. The NH_3 exceedance is the difference between the predicted maximum NH_3 in the stream and the acceptable concentration (EPA Gold Book) protective of aquatic life.

This ammonia exceedance is then multiplied by the stream miles (or equivalent stream miles) which presently have an NH_3 concentration

above the acceptable level to obtain the Ammonia Toxicity Problem Factor as shown below:

Ammonia Toxicity Problem Factor = (NH_3 exceedance) X (stream or equivalent Stream miles above acceptable concentration)

iv. Chlorine Toxicity Problem Factor - This factor will be determined by the difference in the previously allowed chlorine concentration in the NPDES permit (usually 1.0 mg/l) and the new maximum chlorine concentration allowed in the NPDES permit which will be multiplied by a factor of 20.

Chlorine Toxicity Problem Factor = (1.0 mg/l - the new maximum chlorine concentration allowed in the NPDES permit in mg/l) X (20)

c. Achievement of Stream Use Factor - If the proposed project, along with other proposed projects in the planning area, will cause achievement of all water quality criteria then a factor of 2 will be assigned; except that if a stream exception has been granted a factor of 1 will be assigned. Also, a factor of 1 will be assigned when all water quality criteria will not be met.

2. The projects in this category which eliminate existing discharges will receive the sum of the priority points assigned to the discharges to be eliminated.

3. All portions of these projects (such as pump stations, force mains, sewer rehabilitation, and interceptors) that are necessary to cause the environmental problem to be eliminated will receive the same number of priority points as that calculated for the existing discharge(s), to which the project portion is connected.

4. Project ties in priority points, which are calculated in accordance with Section B., will be broken by ranking in order of the following ratio:

$$\frac{\text{lbs. BOD Removed by Project}}{\text{Total Eligible Cost for Project}}$$

5. Projects in this category that are not meeting final limits, but for which zero priority points are calculated (i.e., suspended solids violations, percent removal, BOD violations, etc.), will receive a minimum of 1.0 priority point, and will then be ranked in order of the stream classification of the receiving stream.

V. FY- 2017 Water Pollution Control (Clean Water) Revolving Loan Fund Project Detail Information

Projects/ Permit Number	Project No.	Communities Served	Project Schedule*			Project Assistance					Technical Information			
			BCD	CSD	CCD	Type Assistance	Loam Amount[1]	Interest Rate	Repay Period	Initial Repay. Date	Type Project**	Needs Category +	Priority Ranking	Discharge Req.
Town of Leakesville/ MS0020664	2017-1	Leakesville	06/30/17	11/01/17	12/01/18	Regular Loan	$2.1 M	1.75 %	20 Yrs	04/01/19	212	II	1	N/A
Harrison County Utility Authority/ MS0061204	2017-2	Harrison County	06/30/17	11/01/17	12/01/18	Regular Loan	$1.3 M	1.75 %	20 Yrs	04/01/19	212	IVA	2	N/A
Harrison County Utility Authority/ MS0061204	2017-3	Harrison County	06/30/17	11/01/17	12/01/18	Regular Loan	$0.4 M	1.75 %	20 Yrs	04/01/19	212	IVA	3	N/A
Harrison County Utility Authority/ MS0061204	2017-4	Harrison County	06/30/17	11/01/17	12/01/18	Regular Loan	$0.3 M	1.75 %	20 Yrs	04/01/19	212	IVA	4	N/A
City of Wiggins/ MS0061182	2017-5	Wiggins	09/30/17	03/15/18	03/15/19	Regular Loan	$2.2 M	1.75 %	20 Yrs	06/15/19	212	IVA	5	N/A
West Jackson County Utility District/ MS0045446	2017-6	West Jackson County	6/30/17	12/4/17	12/4/18	Regular Loan	$4.7 M	1.75%	20 Yrs.	3/4/19	212	IVA	6	N/A
Harrison County Utility Authority/ MS0061191	2017-7	Harrison County	06/30/17	11/01/17	12/01/18	Regular Loan	$1.0 M	1.75 %	20 Yrs	04/01/19	212	IVA	7	N/A
Harrison County Utility Authority/ MS0043141	2017-8	Harrison County	06/30/17	11/01/17	12/01/18	Regular Loan	$3.7 M	1.75 %	20 Yrs	04/01/19	212	IIIB	8	N/A
Harrison County Utility Authority/ MS0043141	2017-9	Harrison County	06/30/17	11/01/17	12/01/18	Regular Loan	$3.7 M	1.75 %	20 Yrs	04/01/19	212	IIIB	9	N/A
Harrison County Utility Authority/ MS0030333	2017-10	Harrison County	06/30/17	11/01/17	12/01/18	Regular Loan	$2.7 M	1.75 %	20 Yrs	04/01/19	212	IIIB	10	N/A
Harrison County Utility Authority/ MS0034436	2017-11	Harrison County	06/30/17	11/01/17	12/01/18	Regular Loan	$1.0 M	1.75 %	20 Yrs.	04/01/19	212	I	11	N/A
City of McComb/ MS0061077	2017-12	McComb	06/30/17	11/01/17	12/01/18	Regular Loan	$6.1 M	1.75 %	20 Yrs	04/01/19	212	IIIA	13	N/A

City of Wiggins/ MS0061182	2017-13	Wiggins	09/30/17	03/15/18	03/15/19	Regular Loan	$1.9 M	1.75 %	20 Yrs	06/15/19	212	IIIB	14	N/A
City of Tupelo/ MS0036111	2017-14	Tupelo	09/30/17	12/24/18	08/21/19	Regular Loan	$3.3 M	1.75 %	20 Yrs	11/21/19	212	IIIB	15	N/A
Jackson County Utility Authority/ MS0045446	2017-15	Jackson County	09/30/17	12/24/18	12/24/19	Regular Loan	$5.1 M	1.75 %	20 Yrs	03/24/20	212	IVB	16	N/A
Town of New Houlka/ MS0025216	2017-16	New Houlka	09/30/17	12/24/18	12/24/19	Regular Loan	$2.1 M	1.75 %	20 Yrs	03/24/20	212	II	12	N/A
Totals							$41.6 M							

Notes: - All of the loan projects will require an environmental review in accordance with the State SRF regulations and the supplemental "Guidance For Water Pollution Control Revolving Loan Fund Projects Funded Beginning Federal FY 2016 (October 1, 2015 and After)."

+ = Needs categories are defined in Federal regulations 40 CFR 35.2015.

*BCD = Binding Commitment Date

*CSD = Construction Start Date

*CCD = Construction Completion Date

**212 = Treatment works are defined in Section 212 of the Federal Clean Water Act.

**319 = Best Management Practices are defined in Section 319 of the Federal Clean Water Act.

[1] Loan amounts have been rounded up to the next $100,000.

VI. FY-2017 Assumed Available Funds

A. Federal Funds

In developing this Intended Use Plan the Department has used the anticipated FY-17 Title VI Clean Water SRF appropriations of $1,381,210,000, based on EPA's FY-16 allotment notification.

Per Section B.5 of the Operating Agreement between the Mississippi Department of Environmental Quality and the Environmental Protection Agency, Region IV the cash draw ratio is 83.3% federal funds and 16.7% state funds.

B. State Match Funds

The State normally receives its 20% state match from direct appropriation or state general obligation bonds appropriated by the state legislature, and from interest earnings on state match deposits. However, during the Spring 2017 regular legislative session, the Legislature provided no appropriation or bond authorization to be used for state match funds. The remainder of the FY-15 capitalization grant, as well as, the entire FY-16 and FY-17 capitalization grants will be matched with anticipated match funds to be requested of the State Legislature during a Spring 2017 special legislative session. If the Legislature provides bond authority for that match, it is expected that the bond proceeds will be deposited into the WPCRLF in the fourth quarter of FFY-2017.

It is anticipated that the Legislature will require that these state bonds be retired with the interest portion of loan repayments and interest earnings on the fund deposits. The Department will set aside a portion of the interest earnings from loan repayments and interest earnings on fund deposits and will use these funds to make semi-annual payments to the Mississippi State Treasurer's Office. These semi-annual payments will be used to retire the bonds and pay interest on the outstanding bonds. The amounts of interest repayments and earnings set aside for this purpose will be shown on Appendix A – Assumed Available Funds in the FY-2018 IUP.

C. WPCRLF Loan Repayments

1. Katrina Related Loan Forbearances -

   As a result of the devastation caused by Hurricane Katrina in 2005, the Department contacted all loan recipients on the Mississippi Gulf Coast regarding their ability to make their loan repayments as required by their loan agreements with the Department. As a result of these contacts the Department offered to restructure these loans to provide a forbearance period for their loan repayments, with no interest accrual during the first two years of forbearance (as limited by State Law), to allow them time to rebuild their communities and then resume their loan repayments. The Department received requests for forbearance periods ranging from a few months to eleven years.

   The Department took these requested forbearance periods into account when it calculated the anticipated loan repayments shown in Appendix A – Assumed

Available Funds. The total reduction in loan repayments as a result of these forbearances is ~ $1.5 million per year.

2. In FY-17 the Department plans to obligate projected WPCRLF loan repayments (from existing closed loans) through October, 2018 if state matching funds are not provided during the Spring 2017 special legislative sessions, as anticipated.

VII. Proposed Payment (Federal Letter of Credit {LOC}) Schedule for FY-2017. Clean Water SRF Cap. Grant, based upon Appendix A:

Payment (LOC) Number	Payment (LOC) Date	Payment (LOC) Amount	Cumulative (LOC) Amount
FY-2015 No. 2 of 2	4Q FY-2017	$ 11,754,785	$ 11,754,785
FY-2016 No. 1 of 1	4Q FY-2018	$ 12,037,000	$ 23,791,785
FY-2017 No. 1 of 1	4Q FY-2019	$ 12,037,000	$ 35,828,785

VIII. Projected Schedule of Drawdowns Against Federal Letter of Credit, based upon Appendix A:

For FY 2015 SRF Cap Grant: (See Appendix B).

Outlay Quarter	Federal Outlay Amount	Cumulative Outlay Amount
4Q FY-17	$ 2,250,000	$ 2,250,000
1Q FY-18	$ 4,581,667	$ 6,831,667
2Q FY-18	$ 4,738,333	$11,570,000
3Q FY-18	$ 184,785	$11,754,785

For FY 2016 SRF Cap Grant: (See Appendix B).

Outlay Quarter	Federal Outlay Amount	Cumulative Outlay Amount
4Q FY-18	$ 5,040,417	$ 5,040,417
1Q FY-19	$ 5,040,417	$10,080,834
2Q FY-19	$ 1,956,166	$12,037,000

For FY 2017 SRF Cap Grant: (See Appendix B).

Outlay Quarter	Federal Outlay Amount	Cumulative Outlay Amount
4Q FY-18	$ 920,833	$ 920,833
1Q FY-19	$ 875,000	$ 1,795,833
2Q FY-19	$ 600,000	$ 2,395,833

IX. Certifications

1. The State certifies that all treatment works for funding under this Intended Use Plan are or will be in compliance with Section 205(j), 319 and/or 320 planning and that all non-point source control and estuarine projects are or will be consistent with planning under Sections 319 and/or 320.

2. The State certifies that it will make an annual report to the Regional Administrator on the actual use of funds and how the State has met the goals and objectives for the previous fiscal year as identified in the IUP; and to annually have conducted an independent audit of the fund to be conducted in accordance with generally accepted government accounting standards.

3. The State certifies that this Intended Use Plan has been subjected to public review and comment prior to final submission to EPA.

4. The State certifies that all wastewater facility projects in this Intended Use Plan are on the project Priority List developed pursuant to the requirements of Section 216, CWA.

5. The State certifies that it will enter into binding commitments for 120% of the amount of each payment (LOC) under the capitalization grant within one year after receipt of each payment (LOC).

6. The State certifies that it will expend all funds in the WPCRLF in an expeditious and timely manner.

7. The State certifies that all wastewater facilities in the State are in compliance with enforceable requirements or are making progress toward meeting those requirements.

8. The State certifies that it will conduct environmental reviews on treatment works projects in accordance with the State environmental review process.

9. The State certifies that all POTWs listed on the national Municipal Policy List are either in compliance with their final limits, have an enforcement action filed against them, or have a funding commitment during or prior to the first year covered by this IUP.

X. Expected Environmental Outcomes and Performance Measures

The objective of this program is to disperse all loan funds available in a timely manner in order to achieve the intended cost-effective environmental protection benefits, and to ensure compliance with loan agreements, as required by state and federal laws and regulations.

The State agrees to complete a one-page worksheet for all binding commitments (final loan agreement). The State will also include copies of the completed worksheets in its annual report in order to demonstrate compliance with the EPA Order 5700.7.

PART 2 – Additional Federal Requirements for Fiscal Year 2016 and After

I. Introduction

The *Water Resources Reform and Development Act, 2014* (WRRDA), which was passed by Congress and signed into law by the President on June 10, 2014, included amendments to the Clean Water State Revolving Fund (CWSRF) program authorized by Title VI of the Federal Clean Water Act. Those amendments, along with the exhaustion of "banked equivalency/cross-cutter compliance," utilized by the Water Pollution Control Revolving Loan Fund (WPCRLF) Program since FY-2001, required significant changes to the WPCRLF Program for loans awarded October 1, 2014, and after. Some of those changes were implemented in FY-2015 as required, and the remaining requirements were implemented in FY-2016. Additional optional WRRDA-related changes will be considered for implementation in future fiscal years.

II. Supplemental Guidance

To assist in complying with the new requirements, MDEQ has prepared a supplemental guidance document to be used in conjunction with the previously existing WPCRLF Regulations and checklist/guidance. The document is entitled, "GUIDANCE FOR WATER POLLUTION CONTROL REVOLVING LOAN FUND PROJECTS FUNDED BEGINNING FEDERAL FY 2016 (OCTOBER 1, 2015 AND AFTER)," is dated December 11, 2015, and is available for viewing/downloading on MDEQ's WPCRLF Program webpage by going to www.deq.state.ms.us choosing "Surface Water Division" (under "Office of Pollution Control"), then choosing "Construction Branch," then "Water Pollution Control (Clean Water) Revolving Loan Fund Program."

III. Additional Requirements

A. Endangered Species Act, Fish and Wildlife Coordination Act, Migratory Bird Treaty Act, and (Only for projects located in Jackson, Harrison, and Hancock Counties) Coastal Barrier Resources Act (Cross-Cutters):

The Loan Recipient/Consultant must submit a map and description of the proposed project to the U.S. Fish & Wildlife Service (USFWS) Mississippi Ecological Services Field Office. The USFWS comments must be included in the facilities plan; and, if the USFWS requires further action (e.g. a vegetative/wildlife survey), such action must be taken, and the final USFWS clearance letter must be submitted to MDEQ with the loan application package.

B. Sole Source Aquifer (Only for projects located in the Southern Hills Regional Aquifer System which is the area between the Mississippi and Pearl Rivers from and including Warren and Hinds Counties, south to the Louisiana State Line.) (Cross-Cutter):

The Loan Recipient/Consultant must submit a map and description of the proposed project to the USEPA Region IV, Grants and Drinking Water Protection Branch, and include any resulting EPA comments in the facilities plan.

C. Farmland Protection Policy Act (FPPA) (Cross-Cutter):

All WPCRLF projects must now undergo Farmland Protection Policy Act review. The MDEQ Project Manager will complete this review in accordance with the FY 2015 Operating Procedure for FPPA. Once complete, copies of the compliance documentation will be provided to the Loan Recipient/Consultant for their planning files.

D. Environmental Review {WRRDA Section 5002(1)}:

All WPCRLF projects must now comply with 40CFR35.3140(b) {Tier 1 "NEPA-like" review}. Therefore, in addition to (or in lieu of) the requirements of Appendix B of the WPCRLF Regulations and Sections VI.C, VIII.B, and VIII.C, of the Facilities Plan Checklist, the following will be required:

1. The comparative evaluation of alternatives in the facilities plan must also include any sensitive environmental issues that are identified during management of the project or through public participation.

2. A public hearing must be held for ALL projects. Topics to be discussed at the hearing include the facilities to be built, why they are needed, where they will be built, how much they will cost, the average monthly user charge, and the environmental impact. The facilities plan must include proof that notice of the hearing was published in a newspaper of general circulation in the project area at least 30 days prior to the hearing date. The plan must also include minutes from the hearing, including any public comments.

When the facilities plan is approvable, the MDEQ Project Manager will prepare the appropriate environmental document (Categorical Exclusion, Finding of No Significant Impact/Environmental Assessment, Environmental Impact Statement, etc.) for the project in accordance with MDEQ's "FY 2015 Operating Procedure for Environmental Review." Note that this is a deviation from Appendix B of the existing WPCRLF Regulations, and any necessary variances will be provided through each loan agreement in accordance with the variance procedures in the Regulations.

E. Fiscal Sustainability Plan {WRRDA Section 5003(2)}:

All WPCRLF loan recipients must now certify that they have developed and implemented a Fiscal Sustainability Plan (FSP) that includes:

1. An inventory of critical assets that are a part of the treatment works;
2. An evaluation of the condition and performance of inventoried assets or asset groupings;
3. A certification that the recipient has evaluated and will be implementing water and energy conservation efforts as part of the plan; and
4. A plan for maintaining, repairing, and, as necessary, replacing the treatment works and a plan for funding such activities.

A Fiscal Sustainability Plan (FSP) Certification must be submitted with the loan application package indicating that the Loan Recipient has either 1) already developed and implemented an FSP or 2) will do so by the date established in the loan agreement which

represents 90% of construction completion. If the latter, a corresponding follow-up FSP Certification will be required by that same 90% construction completion date.

F. Generally Accepted Accounting Principles (GAAP)/Governmental Accounting Standards Board (GASB) {WRRDA Section 5002}:

All WPCRLF loan recipients are now required to maintain project accounts according to Generally Accepted Accounting Principles (GAAP) as issued by the Governmental Accounting Standards Board (GASB), including standards relating to the reporting of infrastructure assets. A corresponding GAAP Certification must be submitted with the loan application.

The most recent applicable standard is GASB Statement No. 34 (GASB 34), issued in June 1999, which details governmental reporting requirements including standards for reporting of infrastructure assets. Further details on the requirements, as well as the full text of GASB 34, can be obtained through the GASB.

G. Loan Term/Useful Life {WRRDA Section 5003(2)}:

The maximum CWSRF loan term allowed by federal law was changed from twenty years to the lesser of thirty years and the "projected useful life of the project." The Department is currently in the process of evaluating the financial impacts to the WPCRLF if loan terms in excess of twenty years are made available to certain projects or categories of projects, and what interest rates and other conditions would be appropriate for such loan terms. For FY-2017 the WPCRLF loan terms and interest rates will remain as outlined in Part 1, Section II.c. of this Intended Use Plan.

Regarding the "useful life" limitation, the Department has confirmed with EPA that, in view of the WPCRLF loan award history, the following approach is acceptable. For treatment works projects funded with WPCRLF loans with repayment terms of 20 years or less, the useful life will be considered to be at least 20 years, with no additional documentation or project-specific determination required. For treatment works projects to be funded with WPCRLF loans with repayment terms greater than 20 years, and for any non-treatment works projects, additional documentation supporting the project useful life may be required, and a project-specific useful life determination will be made and included in the project files. Each applicable project's Loan Application File will be documented with a copy of a corresponding useful life determination memo, which confirms this approach.

H. Uniform Relocation Assistance and Real Property Acquisition Policies Act (Cross-Cutter):

All WPCRLF loan recipients are now required to comply with the federal "Uniform Act." The implementing regulations can be found at 49CFR24.101 through 24.105. To confirm compliance, the Loan Recipient and Title Counsel must submit the "Limited Site Certificates for Projects Funded Beginning FY 2015" and "Clear Site Certificates for Projects Funded Beginning FY 2015" by the date(s) specified in the loan agreement.

I. Executive Order 12549-Debarment and Suspension (Cross-Cutter):

In order to ensure compliance with this executive order, all WPCRLF-funded construction contracts must include MDEQ's "Supplementary Information for Bidders" dated December 11, 2015, verbatim.

J. Executive Order 11246-Equal Employment Opportunity (Cross-Cutter):

In order to ensure compliance with this executive order, all WPCRLF-funded construction contracts must include MDEQ's "Supplementary Information for Bidders" dated December 11, 2015, verbatim.

K. Davis Bacon Prevailing Wage Rates (WRRDA Section 5002)

The Davis Bacon (DB) requirements [as referenced in Section 513 of the Federal Water Pollution Control Act (33 U.S.C. 1372)] now apply to all treatment works projects constructed in whole or in part with WPCRLF funds. These are effectively the same requirements applied to FY-2012 through FY-2015 WPCRLF projects based on EPA's interpretation of the FY-2012 CWSRF appropriations language. WRRDA reaffirmed that the DB requirements are applicable for all future WPCRLF projects. Specific details regarding compliance with these requirements are outlined in MDEQ's "Supplemental General Condition" dated August 13, 2013, which must be included in all WPCRLF-funded construction contracts.

L. American Iron and Steel (WRRDA Section 5004):

The American Iron and Steel (AIS) requirement now applies to all contracts associated with projects funded in whole or in part with WPCRLF funds. This is effectively the same requirement applied to FY-2014 WPCRLF projects by the Consolidated Appropriations Act, 2014 (P.L. 113-76). WRRDA made this AIS requirement applicable for all future WPCRLF projects. For details on what "Iron and Steel" products are covered by this requirement, see the AIS guidance memorandum entitled "Implementation of American Iron and Steel provisions of P.L. 113-76, Consolidated Appropriations Act, 2014" issued by EPA Headquarters on March 20, 2014. The information provided therein should be helpful to Loan Recipients and Consultants in crafting bidding documents and ensuring compliance for a given project. Also, specific details regarding compliance with this requirement are provided in MDEQ's "Guidance For Water Pollution Control Revolving Loan Fund Projects Funded Beginning Federal FY 2016 (October 1, 2015 and After)."

M. Federal Procurement for Engineering Services (WRRDA Section 5002):

All WPCRLF-funded contracts for program management, construction management, feasibility studies, preliminary engineering, design, engineering, surveying, mapping, or architectural related services must now be negotiated in the same manner as a contract for architectural and engineering services is negotiated under 40 U.S.C. 1101 et seq. A corresponding Procurement Certification must be submitted with the loan application.

N. Cost and Effectiveness (WRRDA Section 5002):

All loan recipients must now certify, that they:

1. have studied and evaluated the cost and effectiveness of the processes, materials, techniques, and technologies for carrying out the proposed project or activity for which assistance is sought under this title; and

2. have selected, to the maximum extent practicable, a project or activity that maximizes the potential for efficient water use, reuse, recapture, and conservation, and energy conservation, taking into account:
   (i) the cost of constructing the project or activity;
   (ii) the cost of operating and maintaining the project or activity over the life of the project or activity; and
   (iii) the cost of replacing the project or activity

The Cost and Effectiveness Certification must be submitted with the facilities plan in order for the plan to be considered "complete."

O. Additional Subsidy Funding/Affordability Criteria (WRRDA Section 5003):

Similar to the additional subsidy provision in the FY-2010 through FY-2014 CWSRF appropriations language, WRRDA included a provision allowing the states to provide a limited amount of "additional subsidization" each FY, but with more limitations than were included in prior years' appropriations language.

This provision also requires the establishment of "affordability criteria" to be used in determining additional subsidy eligibility; and, stipulates that the criteria must be "based on income and unemployment data, population trends, and other data determined relevant by the State, including whether the project or activity is to be carried out in an economically distressed area, as described in section 301 of the Public Works and Economic Development Act of 1965 (42 U.S.C. 3161)." Therefore, using these stipulations to build on the existing WPCRLF "Small/Low Income Community" subsidy criteria, MDEQ currently will use the following as the affordability criteria for subsidization made available through FY-2015 and subsequent capitalization grants:

1) The community must be a "Small/Low Income Community" with a population of 3,000 or less, and Median Household Income (MHI) of $30,000 or less.
2) If the community's population is confirmed to have been declining for the last three consecutive years, it will receive one "subsidy point."
3) If the community's unemployment rate is confirmed to have been increasing for the last three consecutive years, it will receive one "subsidy point."
4) If the project is confirmed to be in an economically distressed area (per Section 301 of 42 USC 3161), it will receive one "subsidy point."
5) The qualifying projects will be ranked for subsidization first based on highest to lowest number of "subsidy points," and then from lowest to highest MHI.

Subsidy funding details and conditions are further described in Section IV.D.1.

P. Signage (Non-statutory EPA Mandate):

EPA has begun requiring (as a condition of receiving future capitalization grants) that WPCRLF-funded projects include signage which details EPA's involvement in the project. Accordingly, Loan Recipient must now ensure that a project-specific EPA Public Awareness Notification (provided by MDEQ) is displayed on a bulletin board/sign in a prominent location at the project site for the duration of the contract. The Notification should also be displayed in other prominent locations (Loan Recipient's office, website, court house, library, etc.) accessible to the public. Specific details regarding this requirement are outlined in MDEQ's "Supplementary Information for Bidders" dated December 11, 2015, which must be included in all WPCRLF-funded construction contracts.

Appendix A

State of Mississippi WPCRLF Program
FFY 2017 Assumed Available Funds

The following breakdown of funds is based on an assumed FY'17 Congressional appropriation for the National Title VI SRF Program. The loan repayments of the 2 MS Gulf Coast communities remaining in forbearance due to Hurricane Katrina have not been included in this breakdown of assumed funds.

FFY 2017 National Title VI SRF Appropriation Less the Rescission		$1,381,210,000.00
(+)	Mississippi Title VI SRF Allotment	$12,159,000.00
(-)	Title VI SRF 604(b) Reserve (1% of allotment or $100,000 minimum)	-$122,000.00
(=)	Assumed Total FFY'17 Title VI SRF Capitalization Grant	$12,037,000.00
(+)	Total State Match Required (20% of Total Title VI SRF Cap Grant)	$2,407,400.00
(=)	Total FY'17 Cap Grant & State Match Funds	$14,444,400.00
(-)	FFY'17 SRF Administrative Reserve (4% of Cap Grant)	-$481,480.00
(=)	FFY'17 Assumed SRF Funds (Cap Grant+Match-Admin)	$13,962,920.00
(+)	Total FFY'15 & '16 Cap Grant+State Match-Admin Funds [1]	$28,068,662.00
(=)	Total FFY'15, '16 & '17 SRF Cap Grant/Match Funds	$42,031,582.00
(-)	FFY'17 Pmt #1 Cap Grant+State Match-Admin Not Available	-$13,962,920.00
(-)	FFY'15 Pmt. #2 Cap Grant + State Match Not Available	-$14,105,742.00
(-)	FFY'16 Pmt. #1 Cap Grant + State Match-Admin Not Available	-$13,962,920.00
(=)	Total Cap Grant/Match Funds Available in FFY'17	$0.00
(-)	Balance Brought Forward from FFY'16	-$3,033,629.93
(+)	HCUA 872-01 Transfer to 872-02 in order to Restructure Repays	-$3,614,103.55
(-)	HCUA 872-02 Transfer from 872-01 to Restructure Repays	$3,614,103.55
(+)	HCWSD 760-03 Trans to 760-04 in order to Restructure Repays	-$3,057,877.28
(-)	HCWSD 760-04 Trans from 760-03 to Restructure Repays	$3,057,877.28
(-)	State Match Bond Debt Service Paid 10/01/16 thru 03/29/17	-$527,453.42
(-)	Anticipated State Match Bond Debt Service 02/01/17 thru 09/30/17	-$0.00
(+)	Interest Earned - Received 10/01/16 thru 03/31/17	$538,304.94
(+)	Anticipated Interest Earnings 02/01/17 thru 09/30/17	$0.00
(+)	Penalty Interest Rec'd thru 03/31/17 from Tunica Co. UD 874-01	$506.39
(+)	SRF Loan Repayments Received 10/01/16 thru 03/31/17	$14,624,072.98
(+)	Anticipated SRF Loan Repayments 04/01/17 thru 09/30/17[2]	$15,255,694.80
(+)	Anticipated SRF Loan Repayments 10/01/17 into October 2018 [2]	$32,427,395.24
(+)	Base Loan Decreases Processed	$17,315,109.00
(+)	Subsidy Loan Decreases Processed	$0.00
(+)	Base Loan Decreases Anticipated	$0.00
(+)	Subsidy Loan Decreases Anticipated	$0.00
(-)	Loan Increase Reserve	-$4,000,000.00
(-)	Subsidy Loan Increase Reserve	-$0.00
(-)	Subsidy Loan Increases Processed	-$0.00
(-)	Base Loan Increases Processed	-$0.00
(-)	Subsidy Loan Increases Anticipated	-$0.00
(-)	Base Loan Increases Anticipated	-$0.00
(=)	Total Funds Available for FFY'17 Loan Awards	$72,600,000.00
(-)	Funds Needed for Priority List Projects	-$41,600,000.00
(-)	Funds Needed for Planning List Projects Proceeding	-$31,000,000.00
(=)	FFY'17 Funds Remaining	$0.00

[1.] FY'15 Cap Grant Pmt #2 $211,754,785+Match $2,350,957=$14,105,742 plus FY'16 Cap Grant Pmt #1 $12,037,000+ Match $2,407,400-Admin $481,480=$13,962,920= Total Not Deposited of $28,068,662.

[2.] Based on Repayment Projections dated 03/23/17

State of Mississippi WPCRLF Program
FFY 2016 End of Year Report

The following breakdown of funds is based on the FY'16 Congressional appropriation for the National Title VI SRF Program. The loan repayments of the 2 MS Gulf Coast communities remaining in forbearance due to Hurricane Katrina have not been included in this breakdown of assumed funds.

	FFY 2016 National Title VI SRF Appropriation Less the Rescission	$1,381,210,000.00
(+)	Mississippi Title VI SRF Allotment	$12,159,000.00
(-)	Title VI SRF 604(b) Reserve (1% of allotment or $100,000 minimum)	-$122,000.00
(=)	Assumed Total FFY'16 Title VI SRF Capitalization Grant	$12,037,000.00
(+)	Total State Match Required (20% of Total Title VI SRF Cap Grant)	$2,407,400.00
(=)	Total FY'16 Cap Grant & State Match Funds	$14,444,400.00
(-)	FFY'16 SRF Administrative Reserve (4% of Cap Grant)	-$481,480.00
(=)	FFY'16 Assumed SRF Funds (Cap Grant+Match-Admin)	$13,962,920.00
(+)	FFY'13 Pmt. #3 Cap Grant + State Match Deposited 1Q16	$4,056,942.00
(+)	FFY'14 Pmt. #1 Cap Grant + State Match-Admin Deposited 1Q16	$487,126.00
(+)	FFY'14 Pmt. #2 Cap Grant + State Match Deposited 3Q16	$860,652.00
(+)	FFY'14 Pmt. #3 Cap Grant + State Match Deposited 4Q16	$13,305,342.00
(+)	FFY'15 Pmt. #1 Cap Grant + State Match-Admin Deposited 4Q16	$471,978.00
(+)	FFY'15 Pmt. #2 Cap Grant+State Match not Deposited	$14,105,742.00
(=)	Total FFY'16 SRF Funds	$47,250,702.00
(-)	FFY'15 Pmt. #2 Cap Grant + State Match Not Available	-$14,105,742.00
(-)	FFY'16 Pmt. #1 Cap Grant + State Match-Admin Not Available	-$13,962,920.00
(=)	Total Cap Grant Funds Available in FFY'16	$19,182,040.00
(-)	Balance Brought Forward from FFY'15	-$26,673,169.01
(-)	State Match Bond Debt Service Paid 10/01/15 thru 09/30/16	-$829,220.29
(+)	Interest Earned - Received 10/01/15 thru 09/30/16	$1,087,006.32
(+)	Penalty Interest Rec'd from Lumberton 10/19/15	$19,133.03
(+)	Penalty Interest Rec'd from Tunica Co. UD 05/20/16	$303.66
(+)	Loan Payoff Rec'd 09/27/16 from Hancock Co. WSD 760-02	$1,183,881.55
(+)	SRF Loan Repayments Received 10/01/15 thru 09/30/16	$28,767,507.81
(+)	Anticipated SRF Loan Repayments November 2016 (1Q'17)	$3,033,629.93
(+)	Base Loan Decreases Processed	$4,773,675.00
(+)	Subsidy Loan Decreases Processed	$35,250.00
(-)	Subsidy Loan Increases Processed	-$283,610.00
(-)	Base Loan Increases Processed	-$3,600,917.00
(=)	Total Funds Needed for FFY'16 Loan Awards	$26,695,511.00
(-)	New WPCRLF FFY'16 Loans Awarded	-$26,695,511.00
(=)	FFY'16 Ending Balance Including Anticipated Repayments	$0.00
(=)	Total Funds Needed for FFY'16 New Loan Awards	$26,695,511.00
(-)	New WPCRLF FFY'16 Loans Awarded	-$26,695,511.00
(-)	Anticipated Loan Repayments into November 2016 Obligated	-$3,033,629.93
(=)	Actual Ending Balance for FFY 2016	-$3,033,629.93

Appendix A (Cont.)
WATER POLLUTION CONTROL (CLEAN WATER) REVOLVING LOAN FUND PROGRAM
ASSUMED AVAILABLE STATE MATCH FUNDS (FY-13 Through FY-16)

[The State Match History From Program Inception (FY-89) Through FY-12 Is Available on the MDEQ Webpage at www.deq.state.ms.us. Follow the links for "Office of Pollution Control/Surface Water Division", "Construction Branch", and "Water Pollution Control Revolving Loan Fund Program"]

SRF Cap. Grant	Cap. Grant Payment Schedule Quarter	Cap. Grant Payment Schedule Amount	Total Required 20% State Match Deposit	Interest Earnings of State Match Fund	Deposit From WPA** Repayments	Deposits From State *** Appropriations
FY-13	1Q FY-14 (No. 1 of 3)	[87]$ 3,596,910	*$ 719,382	$ 0	N/A	$ 719,382
FY-13	1Q FY-15 (No. 2 of 3)	[88]$ 5,050,305	*$ 1,010,061	$ 0	N/A	$ 1,010,061
FY-13	4Q FY-15 (No. 3 of 3)	[89]$ 3,380,785	*$ 676,157	$ 0	N/A	$ 676,157
Total		$ 12,028,000	$ 2,405,600	$ 0	N/A	$ 2,405,600

SRF Cap. Grant	Cap. Grant Payment Schedule Quarter	Cap. Grant Payment Schedule Amount	Total Required 20% State Match Deposit	Interest Earnings on State Match Fund	Deposit From WPA** Repayments	Deposits From State *** Appropriations
FY-14	4Q FY-15 (No. 1 of 3)	[90]$ 827,005	*$ 165,401	$ 0	N/A	$ 165,401
FY-14	3Q FY-16 (No. 2 of 3)	[91]$ 717,210	*$ 143,442	$ 0	N/A	$ 143,442
FY-14	4Q FY-16 (No. 3 of 3)	[92]$ 11,087,785	$ 2,217,557	$ 0	N/A	$ 2,217,557
Total		$12,632,000	$ 2,526,400	$ 0	N/A	$ 2,526,400

Appendix A (Cont.)
WATER POLLUTION CONTROL (CLEAN WATER) REVOLVING LOAN FUND PROGRAM
ASSUMED AVAILABLE STATE MATCH FUNDS

SRF Cap. Grant	Cap. Grant Payment Schedule Quarter	Cap. Grant Payment Schedule Amount	Total Required 20% State Match Deposit	Interest Earnings on State Match Fund	Deposit From WPA** Repayments	Deposits From State *** Appropriations
FY-15	4Q FY-16 (No. 1 of 2)	[93]$ 812,215	*$ 162,443	$ 0	N/A	$ 162,443
FY-15	4Q FY-17 (No. 2 of 2)	[94]$ 11,754,785	$ 2,350,957	$ 0	N/A	$ 2,350,957
Total		$ 12,567,000	$ 2,513,400	$ 0	N/A	$ 2,513,400

SRF Cap. Grant	Cap. Grant Payment Schedule Quarter	Cap. Grant Payment Schedule Amount	Total Required 20% State Match Deposit	Interest Earnings on State Match Fund	Deposit From WPA** Repayments	Deposits From State *** Appropriations
FY-16	4Q FY-18 (No. 1 of 1)	[95]$ 12,037,000	$ 2,407,400	$ 0	N/A	$ 2,407,400
Total		$ 12,307,000	$ 2,407,400	$ 0	N/A	$ 2,407,400

SRF Cap. Grant	Cap. Grant Payment Schedule Quarter	Cap. Grant Payment Schedule Amount	Total Required 20% State Match Deposit	Interest Earnings on State Match Fund	Deposit From WPA** Repayments	Deposits From State *** Appropriations
FY-17	4Q FY-19 (No. 1 of 1)	[96]$ 12,037,000	$ 2,407,400	$ 0	N/A	$ 2,407,400
Total		$ 12,307,000	$ 2,407,400	$ 0	N/A	$ 2,407,400

* = Deposits of this amount or greater were actually made as of 04/08/16.

** = The Water Pollution Abatement Loan Program, which was entirely state funded. Repayments from this loan program are appropriated by the State Legislature each Legislative Session for use as state matching funds for the WPCRLF program.

***= During the spring 2013 legislative session, the Legislature provided bonding authority for $1,000,000 in general obligation bonds to be used for state match funds. These bonds were sold on December 3, 2013, and the net bond proceeds of $1,000,000 were deposited into the WPCRLF in the 1st quarter of FFY-14. These bond proceeds were used to match the remainder of the FY-12 capitalization grant and provide$719,382 in match money for the FY-13, capitalization grant. During the Spring 2014 legislative session, the Legislature provided a direct appropriation of $1,000,000 to be used for state match funds. These appropriated funds were used to match an additional $5,000,000 of the FY-13 capitalization grant. During the Spring 2015 legislative session, the Legislature provided a direct appropriation of $1,000,000 to be used for state match funds. However, due to a State Capital Expense Fund shortfall, $80,583 of that amount was rescinded, and another $77,859 may be rescinded if an upcoming ballot initiative (Initiative 42/MAEP) passes. Therefore, only $841,558 of the $1,000,000 appropriation can currently be counted as match. These appropriated funds are being used to match the remaining $3,380,785 of the FY-13 capitalization grant, and $827,005 of the FY-14 capitalization grant. The ballot initiative did not pass, and the Legislature restored $65,583 of the rescission in the 3rd Quarter of FY-16, resulting in an additional $143,442 available for match. During the Spring 2016 legislative session, the Legislature provided a direct appropriation of $2,380,000 to be used for state match funds, which were used to match the remainder of the FY-14 capitalization grant, and a portion or the FY-15 capitalization grant. During the Spring 2017 Regular Legislative session, the Legislature did not provide additional state match bonding authority/appropriation; however, it is anticipated that the state match request will be included in the call by the Governor for an upcoming 2017 Special Legislative Session.

(87) The FY-2013 Federal payment schedule $ that can be matched with $719,382 in proceeds from the sale of $1,000,000 in general obligation bonds authorized by the State Legislature during the Spring 2013 Legislative session.

(88) The FY-2013 Federal payment schedule $ that can be matched with the remaining $10,062 in proceeds from the sale of $1,000,000 in general obligation bonds authorized by the State Legislature during the Spring 2013 Legislative session, and with $1,000,000 of direct appropriation authorized by the State Legislature during the Spring 2014 Legislative session.

(89) The remainder of the FY-2013 Federal payment schedule $ that can be matched with $676,157 of the $1,000,000 of direct appropriation authorized by the State Legislature during the Spring 2015 Legislative session.

(90) The FY-2014 Federal payment schedule $ that can be matched with the $165,401 of the $1,000,000 direct appropriation authorized by the State Legislature during the Spring 2015 Legislative session. (Note, due to a "budget shortfall" in the State Capital Expense Fund, $80,583 of that appropriation was not received. Also, there is a potential for that appropriation to be reduced by another $77,859 if an upcoming ballot initiative (Initiative 42/MAEP) passes. Therefore, the resulting total of $158,442 has been deducted from the 2015 $1,000,000 appropriation, and only $841,558 has currently been counted as match.)

(91) The FY-2014 Federal payment schedule $ that can be matched with the $143,442 of the $1,000,000 direct appropriation authorized by the State Legislature during the Spring 2015 Legislative session. (Note, $77,859 is related to the ballot initiation described above, which did not pass, and the Legislature restored $65,583 of the rescission in the 3rd Quarter of FY-16.)

(92) The remainder of the FY-2014 Federal payment schedule $ that can be matched with $2,217,557 of the $2,380,000 of direct appropriation authorized by the State Legislature during the Spring 2015 Legislative session.

(93) The FY-2015 Federal payment schedule $ that can be matched with the remaining $162,443 of the $2,380,000 direct appropriation authorized by the State Legislature during the Spring 2015 Legislative session.

(94) The remainder of the FY-2015 Federal payment schedule $ that can be matched with $2,350,957 in proceeds from the sale of general obligation bonds to be requested during the Spring 2017 Special Legislative session.

(95) The FY-2016 Federal payment schedule $ that can be matched with $2,407,400 in proceeds from the sale of general obligation bonds to be requested during the Spring 2017 Special Legislative session.

(96) The FY-2017 Federal payment schedule $ that can be matched with $2,407,400 in proceeds from the sale of general obligation bonds to be requested during the Spring 2017 Special Legislative session.

Appendix B

Water Pollution Control (Clean Water) Revolving Loan Fund Program
Projected Schedule of Outlays ($ Millions)

Projects	4Q FY-17	1Q FY-18	2Q FY-18	3Q FY-18	4Q FY-18	1Q FY-19	2Q FY-19	3Q FY-19	4Q FY-19	1Q FY-20	2Q FY-20	Totals
Town of Leakesvillte	$210,000	$336,000	$336,000	$336,000	$336,000	$336,000	$210,000	$-0-	$-0-	$-0-	$-0-	$2,100,000
Harrison County Utility Authority	$130,000	$208,000	$208,000	$208,000	$208,000	$208,000	$130,000	$-0-	$-0-	$-0-	$-0-	$1,300,000
Harrison County Utility Authority	$40,000	$64,000	$64,000	$64,000	$64,000	$64,000	$40,000	$-0-	$-0-	$-0-	$-0-	$400,000
Harrison County Utility Authority	$30,000	$48,000	$48,000	$48,000	$48,000	$48,000	$30,000	$-0-	$-0-	$-0-	$-0-	$300,000
City of Wiggins	$-0-	$220,000	$220,000	$385,000	$385,000	$385,000	$385,000	$220,000	$-0-	$-0-	$-0-	$2,200,000
West Jackson County Utility District	$470,000	$470,000	$658,000	$658,000	$658,000	$658,000	$658,000	$470,000	$-0-	$-0-	$-0-	$4,700,000
Harrison County Utility Authority	$100,000	$160,000	$160,000	$160,000	$160,000	$160,000	$100,000	$-0-	$-0-	$-0-	$-0-	$1,000,000
Harrison County Utility Authority	$370,000	$592,000	$592,000	$592,000	$592,000	$592,000	$370,000	$-0-	$-0-	$-0-	$-0-	$3,700,000
Harrison County Utility Authority	$370,000	$592,000	$592,000	$592,000	$592,000	$592,000	$370,000	$-0-	$-0-	$-0-	$-0-	$3,700,000
Harrison County Utility Authority	$270,000	$432,000	$432,000	$432,000	$432,000	$432,000	$270,000	$-0-	$-0-	$-0-	$-0-	$2,700,000
Harrison County Utility Authority	$100,000	$160,000	$160,000	$160,000	$160,000	$160,000	$100,000	$-0-	$-0-	$-0-	$-0-	$1,000,000
City of McComb	$610,000	$976,000	$976,000	$976,000	$976,000	$976,000	$610,000	$-0-	$-0-	$-0-	$-0-	$6,100,000
City of Wiggins	$-0-	$190,000	$190,000	$332,500	$332,500	$332,500	$332,500	$190,000	$-0-	$-0-	$-0-	$ 1,900,000
City of Tupelo	$-0-	$330,000	$330,000	$385,000	$385,000	$385,000	$385,000	$385,000	$385,000	$330,000	$-0-	$3,300,000
Jackson County Utility Authority	$-0-	$510,000	$510,000	$510,000	$510,000	$510,000	$510,000	$510,000	$510,000	$510,000	$510,000	$5,100,000
Town of New Houlka	$-0-	$210,000	$210,000	$210,000	$210,000	$210,000	$210,000	$210,000	$210,000	$210,000	$210,000	$2,100,000
Program Admin.	$-0-	$-0-	$-0-	$-0-	$-0-	$-0-	$-0-	$-0-	$-0-	$-0-	$-0-	$-0-
Total	$2,700,000	$5,498,000	$5,686,000	$6,048,500	$6,048,500	$6,048,500	$4,710,500	$1,985,000	$1,105,000	$1,050,000	$720,000	$41,600,000
FY-15 State Match (5.6%)	$450,000	$916,333	$947,667	$36,957	$-0-	$-0-	$-0-	$-0-	$-0-	$-0-	$-0-	$2,350,957

Federal FY-15 Cap Grant (28.3%)	$2,250,000	$4,581,667	$4,738,333	$184,785	$-0-	$-0-	$-0-	$-0-	$-0-	$-0-	$-0-	$11,754,785
FY-16 State Match (5.8%)	$-0-	$-0-	$-0-	$-0-	$1,008,083	$1,008,083	$391,234	$-0-	$-0-	$-0-	$-0-	$2,407,400
Federal FY-16 Cap Grant (28.9%)	$-0-	$-0-	$-0-	$-0-	$5,040,417	$5,040,417	$1,956,166	$-0-	$-0-	$-0-	$-0-	$12,037,000
FY-17 State Match (1.1%)	$-0-	$-0-	$-0-	$-0-	$-0-	$-0-	$-0-	$-0-	$184,167	$175,000	$120,000	$479,167
Federal FY-17 Cap Grant (5.8%)	$-0-	$-0-	$-0-	$-0-	$-0-	$-0-	$-0-	$-0-	$920,833	$875,000	$600,000	$2,395,833
$ Other* (24.5%)	$-0-	$-0-	$-0-	$5,826,758	$-0-	$-0-	$2,363,100	$1,985,000	$-0-	$-0-	$-0-	$10,174,858

* Other funds include state match, repayments, interest earnings, and net loan amendments.

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Part 6, Chapter 8: Mississippi Commission on Environmental Quality, Fiscal Year 2016 Intended Use Plan (IUP) for the Water Pollution Control Revolving Loan Fund Program

WATER POLLUTION CONTROL REVOLVING LOAN FUND (WPCRLF) PROGRAM

FY- 2016 INTENDED USE PLAN

Adopted by the Commission on August 25, 2016

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

MISSISSIPPI COMMISSION ON ENVIRONMENTAL QUALITY

OFFICE OF POLLUTION CONTROL

P. O. BOX 2261

JACKSON, MISSISSIPPI 39225-2261

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MISSISSIPPI COMMISSION ON ENVIRONMENTAL QUALITY
WATER POLLUTION CONTROL REVOLVING LOAN FUND PROGRAM
DRAFT FY- 2016 INTENDED USE PLAN

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PART 1 – Standard Program Details/Requirements

I. Goals of the Water Pollution Control (Clean Water) Revolving Loan Fund Program

The Commission on Environmental Quality has established certain goals for the Water Pollution Control Revolving Loan Fund (WPCRLF) Program. Short term goals include: 1) Periodically consulting with financial advisors to develop revised operating policies and procedures for the WPCRLF (Fund), with the goal of maximizing investment in project loans and reducing idle cash, while maintaining proper stability and management of all aspects of the Fund. 2) Implementing the additional federal requirements (as detailed in Part 2 of this IUP) which now apply to the WPCRLF Program due to the passage of the Water Resources Reform and Development Act (WRRDA), 2014, and due to the exhaustion of the banked equivalency/cross-cutter compliance which has been applied since implementation of the "post equivalency" WPCRLF Loan Program in FY 2001, 3) Continuing to establish priorities and procedures which will meet the long term environmental improvement goals of the Commission, while keeping in focus the need to attract communities to the program and insure the maximum wise use of all available funds, 5) Continuing to pursue and evaluate methods for providing further financial relief to those of our Hurricane Katrina impacted Gulf Coast loan recipients which remain in forbearance, to help insure their ability to repay their outstanding loan balances after recovery, and to prevent or minimize any long term impact to the Fund, 6) Continuing to implement the Green Project Reserve requirements during FY 16, 7) Continuing to implement the additional subsidy requirement and to make any remaining additional subsidy funds from the FY 14 and prior appropriations available to green projects and to projects in small/low income communities that otherwise might not be able to afford a project, and 8) To the extent reasonably practical, continue to structure this program to coordinate with other available funding programs within the State, particularly the CDBG, ARC, and RUS programs, in order to make available the opportunity for joint funding of projects should communities desire such an arrangement. The coordination procedures for WPCRLF projects funded jointly with the CDBG, ARC, and/or RUS program are found in Section III.

Long term goals include: 1) maintaining a financially sound SRF in perpetuity; 2) meeting a substantial portion of the wastewater needs in the State within a reasonable period of time; and 3) funding fiscally sound projects in order of environmental importance as established by the Commission, while continuing to maintain a program that is attractive to the communities in the State. Essential to achieving these goals is the determination of an interest rate and loan repayment term which will generate sufficient fund income to meet the State's needs within a reasonable period of time, but which is more attractive than private sector funding, so as to bring communities into the program and insure use of all available funds. Toward this end, the Commission intends to implement the program as further described in Section II. The long term priorities for funding are described in the Priority System in Section IV, which places first priority on projects that will bring existing wastewater facilities into compliance with their final discharge limitations, as required by the federal Clean Water Act. Other project categories will be funded in order of environmental importance as established within the Priority System, and as available funds allow. All projects must be demonstrated to be fiscally and environmentally sound through completion of a facilities plan, and its subsequent approval by the Department of Environmental Quality.

The framework under which the WPCRLF loan program operates is established by two documents. The first document is the State Revolving Fund Loan Program Operating Agreement (Operating Agreement) between the Mississippi Department of Environmental Quality and the Environmental Protection Agency, Region IV. This Operating Agreement was agreed to by both parties and approved on May 25, 1995. The Operating Agreement establishes the provisions of the WPCRLF that are not expected to change from year to year. The second document is this annual Intended Use Plan (IUP) which includes a list of projects proposed for assistance, information on WPCRLF activities to be supported, criteria and methods for disbursing WPCRLF funds, and assurances. Copies of these documents are available upon request.

II. Information on WPCRLF Activities to be supported by the FY- 2016 IUP

The Commission has determined that the following will apply to the WPCRLF loan program, subject to compliance with the WPCRLF loan program regulations:

a. Eligible/allowable project costs will include costs as described and limited in Appendix A of the Water Pollution Control Revolving Loan Fund Program Regulations.

b. The types of assistance to be provided under the WPCRLF loan program will be loans to public entities which are authorized under State law to own, operate and maintain the funded facilities, to enter into a WPCRLF loan agreement, and to repay the WPCRLF loan; for the construction of eligible wastewater treatment and transportation facilities, non-point source and storm water pollution control programs, and estuary conservation and management programs. Wastewater, as defined by EPA, also includes sludge discharges into surface waters from publicly owned drinking water treatment facilities. Utilizing any remaining subsidy funding made available through the FY 2011, 2012, 2013, and 2014 Appropriations Acts, the Department will continue to offer two types of additional subsidy to eligible loan recipients during FY 2016. The first will be 75% principal forgiveness to small/low income communities in the state. The second will be 20% principal forgiveness to 'green projects'. Detailed guidance on both types of additional subsidy can be found in Section VI.A of this IUP. Subsidy funding authorized by WRRDA and/or made available through the FY 2015 and subsequent Appropriations Acts will be offered as 75% principal forgiveness to small/low income communities, and will be subject to the affordability criteria outlined in Part 2, Section III.O. of this IUP.

c. All loans will be at a 1.75% annual interest rate, compounded monthly, and at terms not to exceed 20 years after project completion.

d. WPCRLF loan participation can be funded at up to 100% of eligible project costs, less any funding made available from other agencies for these same eligible project costs.

e. Where funding of a project has been segmented, loan repayment requirements will apply after the final construction inspection of the segment of the project that results in an operable project, as further described in the WPCRLF regulations. However,

interest will accrue on each segment independent of other segments as required by the WPCRLF program regulations.

f. Project costs incurred prior to loan award will be WPCRLF loan allowable provided:

- The debt is for planning, design, or construction phase professional services related to, or for work performed under, an eligible construction contract for which the notice to proceed was issued on or after October 1, 2015, and the WPCRLF loan is awarded by September 30, 2016.

- The project is in compliance with all applicable WPCRLF program regulations and obtains Department approval of all applicable documents prior to award of the WPCRLF loan.

- The prospective loan recipient agrees that by incurring costs prior to loan award, it proceeds at its own risk and relieves the Commission, the Department, and the Department staff of all responsibility and liability should such costs later be determined unallowable for any reason or should such funding not become available for any reason.

- The prospective loan recipient agrees that by incurring costs prior to loan award, no future commitment of funding a project is provided.

g. Revenue to pay for WPCRLF program administration will be received by setting aside up to 4% of the cumulative federal capitalization grants to the State under Title VI of the Clean Water Act, and as may be further amended. In addition, an administration fee of 5% of the final loan principal will be collected from the interest portion of loan repayments on all FY 2016 loans. The balance of the 5% administration fee as of September 30, 2015 was $10,395,538.08.

h. Project detail information for the FY 2016 WPCRLF projects is shown in Section V.

i. The Department has the authority to amend any existing loan agreement (regardless of the fiscal year of the initial loan award) in order to: transfer project scope and funds from one loan agreement to another loan agreement for the same loan recipient; to close out loans with completed project scopes and either delete the remaining project scopes that are delayed in violation of the loan schedules, or award a new loan for the delayed project scopes; and to award multiple loans for individual portions of a project shown on the Priority List.

j. The FY 2016 Priority List expires on September 30, 2016, except for the authority provided in Section II.i above which shall have no expiration date. Projects included on the FY 2016 Priority List that do not receive funding by this date will not be funded under the FY 2016 funding cycle, and will be subject to the requirements of the FY 2017 or subsequent Intended Use Plans and Priority Lists.

k. State bonds which were provided by the State Legislature to provide state match for the federal CWSRF cap grants will be retired with the interest earnings on the fund

deposits. The estimated amounts of interest earnings to be used for this purpose are shown in Appendix A – Assumed Available Funds.

VI. Coordination Schedules with Other Funding Sources on Jointly Funded Wastewater Projects.

[Note: Due to compaction of the FY-2016 WPCRLF funding schedule (which resulted from the implementation of the remaining WRRDA/CWSRF Program changes) and the related delay in IUP preparation, the following schedules reflect the typical "standard" schedule, rather than being tailored to fit the actual compacted FY-2016 WPCRLF funding schedule.]

The MDEQ will not award a WPCRLF loan to a jointly funded project until the other funding source(s) (i.e., CDBG, ARC, RUS, SPAP, etc.) has provided their award, or until the Department receives assurances from the other funding source(s) that their award will be made within a timeframe compatible with the WPCRLF loan agreement schedule. If the WPCRLF loan is awarded prior to the other funding source award(s), MDEQ may condition the WPCRLF award to delay payments until the other award(s) are made.

A. Coordination of Water Pollution Control Revolving Loan Fund Program (WPCRLF) and Community Development Block Grant Program (CDBG) on Jointly Funded

FY- 2016 WPCRLF and CDBG Coordination Project Schedule*

9/01/2015**	Loan applicants submit the complete WPCRLF facilities plan, prepared in accordance with the WPCRLF loan program regulations, to MDEQ. The plan must indicate anticipated CDBG funding and must indicate if the loan applicant intends to proceed with the project; 1) only if CDBG funds are received, or 2) regardless of whether CDBG funds are received.
01/2016	MDEQ sends out Draft WPCRLF FY 2016 Intended Use Plan requesting public comments.
01/2016	MDEQ notifies MDA of projects included on Draft FY-2016 Priority List that anticipates receiving FY-2016 CDBG funds.
02/2016	Commission on Environmental Quality adopts FY 2016 WPCRLF Intended Use Plan accounting for anticipated CDBG award amounts if identified in facilities plan.
03/04/2016	CDBG program holds application workshops.
4/01/2016**	Deadline for loan applicants to submit a completed WPCRLF loan application to MDEQ for the total WPCRLF eligible costs, less amount of anticipated CDBG award to be applied to WPCRLF costs.

	If the loan recipient is pursuing a CDBG grant to cover part of the cost of construction, the loan recipient has the option to include the anticipated CDBG grant amount in the detailed cost breakdown in the application; or may request 100% WPCRLF funding with the possibility of amending the loan application later if the loan recipient is awarded a CDBG grant prior to receipt of bids for construction. However, the WPCRLF loan application must be consistent with the WPCRLF facilities plan for the project.
05/2016	MDEQ provides notification to MDA that complete WPCRLF loan applications have been received.
03 09/2016	Loan applicants receive WPCRLF loan award from MDEQ. The amount of the loan will be the total WPCRLF eligible cost less the CDBG amount to be applied to WPCRLF eligible work.
05/12 16/2016	CDBG public facilities applications, along with one copy of the WPCRLF loan application with maps and appropriate attachments will be accepted from May 12, 2016 until 4:00 pm on May 16, 2016.
06/03/2016	MDA provides notification to MDEQ that complete CDBG applications have been received.
07/07/2016	Deadline for CDBG applicants to secure final commitment and/or approval of matching funds. If by that time final commitment and/or approval are not in place MDA will remove the application from funding consideration.
08/15/2016	MDA provides conformation to MDEQ of which projects fall within the funding range for CDBG grants for construction contingent upon matching funds being in place. MDEQ will not award a WPCRLF loan until this notification from MDA is provided.
Upon Loan Award	MDEQ copies MDA on the award letter.
Upon Grant Award	MDA provides notification to MDEQ that CDBG awards have been made.

***Subject to change due to the timing of federal appropriations or program changes.**

****Included in WPCRLF FY 2016 Priority System deadlines. Other deadlines not shown above also are contained in the WPCRLF FY 2016 Priority System.**

B. Coordination of Water Pollution Control Revolving Loan Fund Program (WPCRLF) and Appalachian Regional Commission (ARC) Grant Program on Jointly Funded Wastewater Projects

FY 2016 WPCRLF and ARC Coordination Schedule*

Date TBD	Mississippi Appalachian Regional Office (MARO) notifies potential applicants & local Planning & Development Districts of the deadline for submitting complete applications for ARC grants.
Date TBD	All FY 2016 ARC project applications are due at ARO in Washington by 5:00 p.m. Any proposals received after this date will only be considered for funding in FY 2017.
9/01/2015**	Loan applicants submit a complete WPCRLF facilities plan to MDEQ. The plan must indicate anticipated ARC funding and must indicate if the loan applicant intends to proceed with the project; 1) only if ARC funds are received, or 2) regardless of whether ARC funds are received.
Date TBD	MARO notifies MS Department of Environmental Quality (MDEQ) of grant applicants who submitted pre-applications for ARC grants which indicate anticipated FY 2016 SRF funding.
Dates TBD	MARO completes review of FY 2016 projects and briefs Governor about projects identified to be submitted to ARC – Washington for funding purposes.
Dates TBD	MARO notifies local Planning & Development Districts of projects that have been selected for the P1 (fundable priority list). MARO will copy MDEQ on these notification letters if grantee has indicated that it is pursuing WPCRLF loan funds for this project. MDEQ will not award a WPCRLF loan until this notification from MARO is provided.
Date TBD	Deadline for all FY 2016 Priority 1 documentation and forms to be submitted to MARO.
1/2016	MDEQ sends out Draft WPCRLF FY 2016 Intended Use Plan requesting public comments.
Date TBD	MARO sends project applications to ARC Washington to start final funding approval process.
02/2016	Commission on Environmental Quality adopts FY 2016 WPCRLF Intended Use Plan accounting for anticipated ARC award amounts if identified in facilities plan.
03/2016	MDEQ notifies MARO of projects included on Final FY 2016 Priority List that anticipate receiving FY 2016 ARC funds.
Dates TBD	ARC Washington starts the final funding approval process and

awards ARC grants during the spring or summer of 2016.

04/01/2016** Deadline for loan applicants to submit a completed WPCRLF loan application to MDEQ for the total WPCRLF eligible costs, less the amount of anticipated ARC award to be applied to WPCRLF costs.

05/2016 MDEQ provides notification to MARO that complete WPCRLF loan applications have been received.

03/2016 - 09/2016 Loan applicants receive WPCRLF loan awards from MDEQ. The amount of the loan will be the total WPCRLF eligible cost less the ARC award amount to be applied to WPCRLF eligible costs.

Upon Grant Award MARO provides notification to MDEQ that ARC awards have been made.

Upon Loan Award MDEQ copies MARO on the award letter.

*** Subject to change due to the timing of federal appropriations or program changes.**

**** Included in WPCRLF FY-2016 Priority System deadlines. Other deadlines not shown above also are contained in the WPCRLF FY-2016 Priority System.**

C. Coordination of Water Pollution Control Revolving Loan Fund Program (WPCRLF) and Rural Utilities Service (RUS) Grant and Loan Program on Jointly Funded Wastewater Projects

General Guidance regarding WPCRLF/RUS coordination: The RUS is an agency of the United States Department of Agriculture which provides loans and grants for water and wastewater projects. Eligible applicants must be public bodies, nonprofit organizations, or Indian tribes that serve communities with populations under 10,000. RUS funds may be used in conjunction with other Federal, State, or local funds.

Applications for RUS funds will be accepted at any time during the year, and involve an environmental review that includes public notifications and comment periods.

RUS projects are funded at any time during the year as long as funds are available. RUS funds are allocated by Congress in October of each year, and are usually spent as complete applications are received. Therefore, it is generally to the applicant's advantage to file applications earlier in the fiscal year.

FY-2016 WPCRLF and RUS Coordination Project Schedule*

9/01/2015** Loan applicants submit complete WPCRLF facilities plan to MDEQ. The plan must indicate anticipated RUS funding and must indicate if the loan applicant intends to proceed with the project; 1) only if RUS

	funds are received, or 2) regardless of whether RUS funds are received.
01/2016	MDEQ sends out Draft WPCRLF FY 2016 Intended Use Plan requesting public comments.
02/2016	Commission on Environmental Quality adopts FY 2016 WPCRLF Intended Use Plan accounting for anticipated RUS award amounts if identified in facilities plan.
03/2016	MDEQ notifies RUS of projects included on final FY-2016 Priority List that anticipates receiving FY-2016 RUS funds.
04/01/2016**	Deadline for loan applicants to submit complete WPCRLF loan applications to MDEQ for the total WPCRLF eligible costs, less amount of anticipated RUS award to be applied to WPCRLF costs.
	If the loan recipient is pursuing a RUS grant/loan to cover part of the cost of construction, the loan recipient has the option to include the anticipated RUS grant /loan amount in the detailed cost breakdown in the application, or may request 100% WPCRLF funding with the possibility of amending the loan application later if the loan recipient is awarded a RUS grant/loan prior to receipt of bids for construction. However, the WPCRLF loan application must be consistent with the WPCRLF facilities plan for the project.
05/2016	MDEQ provides notification to RUS that complete WPCRLF loan applications have been received.
03/2016 - 09/2016	Loan applicants receive WPCRLF loan awards from MDEQ. The amount of the loan will be the total WPCRLF eligible cost less the RUS award amount to be applied to WPCRLF eligible costs.
Upon Loan Award	MDEQ copies RUS on the award letter.
Upon RUS Award	RUS provides notification that RUS awards have been made.

*** Subject to change due to the timing of federal appropriations or program changes.**

**** Included in WPCRLF Priority System deadlines. Other deadlines not shown above also are contained in the WPCRLF FY-2016 Priority System.**

FY- 2016 MISSISSIPPI STATE REVOLVING FUND LOAN PROGRAM

IV.A **"REGULAR"** PRIORITY LIST

Category 6: New Collection - Existing Buildings

Project/ Permit Number	Project Description	Priority Points	Unsewered Residences Served	Loan Amount Requested $ (Millions)	Statewide Cum. Loan $ (Millions)
City of Wiggins/ MS0061182	New Collection (Phase 2)	3.40	125	$2.2 M	$2.2 M
City of Brandon	New Collection – Shiloh Rd. to Hwy 80	0.02	6	$2.4 M	$4.6 M

Category 8: Existing Facilities Upgrade (Meeting Final Limits)

Project/ Permit Number	Project Description	Stream Class.	2016 Median House-Hold Income	Loan Amount Requested	Statewide Cum. Loan $ (Millions)
City of Wiggins/MS0061182	Sewer Rehabilitation (Phase 3)	F&W	$36,243	$1.9 M	$6.5 M
West Rankin Utility Authority	Interceptor Rehabilitation	F&W	$37,787	$9.9 M	$16.4 M
Pearl River County Utility Authority	Rehabilitation of damaged mains	F&W	$38,962	$6.1 M	$22.5 M
City of Waveland/MS0027847	Repair Existing Sewer Lines, Manholes and Pumpstations	F&W	$39,711	$7.7 M	$30.2 M

FY- 2016 MISSISSIPPI STATE REVOLVING FUND LOAN PROGRAM

IV.B **"SMALL/LOW INCOME"** PRIORITY LIST

Category 8: Existing Facilities Upgrade- (Meeting Final Limits)

Project/ Permit Number	Project Description	Stream Class.	Population	2016 Median House- Hold Income	Loan Amount Requested	Eligible Small/Low Income Subsidy Amount	Statewide Cum. Loan $ (Millions)
Town of Friars Point/MS0036757	Replace sewer lines including manholes and service laterals, rehabilitate existing system at the lagoon, upgrade treatment plant to meet permit limits	F&W	1,132	$19,973	$2.1 M	$1.0 M	$2.1 M

IV.C **"GREEN PROJECT RESERVE"** PRIORITY LIST

(No Green Project Reserve- Eligible Projects Met the Deadline to be Ranked This FY)

FISCAL YEAR – 2017 AND AFTER PLANNING LIST

Category 4: Existing Facilities Upgrade (Not Meeting Final Limits)

Project/ Permit Number	Project Description	Priority Points	Possible Funding FY	Population	2016 Median Household Income	Loan Amount Requested $ (Millions)	Eligible Small/Low Income Subsidy Amount $ (Millions)	Estimated Green Project Reserve Eligibility $ (Millions)	Green Project Reserve Category/ Documentation	Statewide Cum. Loan $ (Millions)
City of Magnolia/ MS0061077	Pump Station & Force Main to Eliminate POTW	*	2017	2,472	$25,497	$ 2.5 M	$1.0 M	N/A	N/A	$ 2.5 M
City of Starkville/ MS003145	Sewer System Rehab	*	2017	24,816	$26,159	$3.0 M	N/A	N/A	N/A	$ 5.5 M
Town of Coldwater/ MS0024678	Phase 1 – New WWTP and New Pump Station/Force Main from North Lagoon	*	2017	1,801	$26,822	$ 3.1 M	N/A	N/A	N/A	$ 8.6 M
Town of Coldwater/ MS0026934	Phase 2 – Sewer Rehabilitation	*	2017	1,801	$26,822	$ 1.6 M	N/A	N/A	N/A	$ 10.2 M
Town of Coldwater/ MS0026934	Phase 3 – Sewer Rehabilitation	*	2017	1,801	$26,822	$ 1.3 M	N/A	N/A	N/A	$ 11.5 M
Town of Tutwiler/ MS0025054	Upgrade WWTF & Rehab Lift Stations 1 & 4	*	2017	3,513	$27,167	$ 4.9 M	N/A	N/A	N/A	$ 16.4 M

FISCAL YEAR – 2017 AND AFTER PLANNING LIST - Continued

Category 4: Existing Facilities Upgrade (Not Meeting Final Limits) - Continued

Project/ Permit Number	Project Description	Priority Points	Possible Funding FY	Population	2016 Median Household Income	Loan Amount Requested $ (Millions)	Eligible Small/Low Income Subsidy Amount $ (Millions)	Estimated Green Project Reserve Eligibility $ (Millions)	Green Project Reserve Category/ Documentation	Statewide Cum. Loan $ (Millions)
City of Hattiesburg/ MS0020303	South WWTF Upgrade (Phase 1)	*	2017	47,124	$31,103	$47.0 M	N/A	N/A	N/A	$63.4 M
City of Hattiesburg/ MS0020303	South WWTF Upgrade (Phase 2)	*	2017	47,124	$31,103	$49.0 M	N/A	N/A	N/A	$112.4 M
City of Hattiesburg/ MS0020303	South WWTF Upgrade (Phase 3)	*	2017	47,124	$31,103	$38.0 M	N/A	N/A	N/A	$150.4 M
Town of Utica/ MS0020613	Wastewater Treatment Plant upgrade to meet Phase II Limits	*	2017	832	$31,191	$ 1.7 M	N/A	N/A	N/A	$152.1 M
Town of Bolton/ MS0021032	Upgrade Lagoon to Meet Phase II Limits	*	2017	568	$32,083	$ 0.5 M	N/A	N/A	N/A	$152.6M
City of Ripley/ MS0020958	Sewer System Rehabilitation	*	2017	5,364	$35,525	$ 2.1 M	N/A	N/A	N/A	$154.7M
City of Ripley/ MS0020958	Wastewater Treatment Plant Iprovements	*	2017	5,364	$35,525	$3.1 M	N/A	N/A	N/A	$157.8 M
City of Oxford/ MS0029017	Sewer System Rehabilitation	*	2017	21,580	$35,420	$14.0 M	N/A	N/A	N/A	$171.8 M
City of Guntown/ MS0023655	Sewer System Rehabilitation	*	2017	2,166	$45,742	$ 1.0 M	N/A	N/A	N/A	$172.8 M

FISCAL YEAR – 2017 AND AFTER PLANNING LIST - Continued

Category 4: Existing Facilities Upgrade (Not Meeting Final Limits) – Continued

Project/ Permit Number	Project Description	Priority Points	Requested Funding FY	Population	2016 Median Household Income	Loan Amount Requested $ (Millions)	Eligible Small/Low Income Subsidy Amount $ (Millions)	Estimated Green Project Reserve Eligibility $ (Millions)	Green Project Reserve Category/ Documentation	Statewide Cum. Loan $ (Millions)
City of Raymond/ MS0054992	Take East Lagoon Offline; Transport To Clinton South-side	*	2017	1,988	$49,428	$1.6 M	N/A	N/A	N/A	$174.4M
Town of Caledonia/ MS0024805	Wastewater Treatment Plant Upgrade	*	2017	1,090	$52,602	$ 1.4 M	N/A	N/A	N/A	$175.8M
Lake Lorman Utility District/ MS0043401	Wastewater Treatment Plant Upgrades to meet Phase II Limits.	*	2017	N/A	N/A	$ 1.0 M	N/A	N/A	N/A	$176.8M

* Calculations of Priority Points are incomplete at the present time.

FISCAL YEAR – 2017 AND AFTER PLANNING LIST - Continued

Category 6: New Collection – Existing Buildings

Project/ Permit Number	Project Description	Priority Points	Unsewered Residences Served	Requested Funding FY	Population	2016 Median Household Income	Loan Amount Requested $ (Millions)	Eligible Small/Low Income Subsidy Amount $ (Millions)	Estimated Green Project Reserve Eligibility $ (Millions)	Green Project Reserve Category/ Documentation	Statewide Cum. Loan $ (Millions)
City of Hernando/ MS0062227	New Collection	5.3	105	2017	15,545	$68,844	$2.1 M	N/A	N/A	N/A	$178.9M
Town of Farmington/ MS0061328	New Collection – Clear Creek Basin	4.5	52	2017	2,206	$35,644	$ 0.6 M	N/A	N/A	N/A	$179.5M
City of Baldwyn/ MS0020087	New Collection	3.0	112	2017	3,325	$23,858	$ 4.2 M	N/A	N/A	N/A	$183.7M
Town of Farmington/ MS0061328	New Collection – Seven Mile Creek Basin	1.8	19	2017	2,206	$35,644	$ 0.2 M	N/A	N/A	N/A	$183.9M
Town of Coldwater/ MS0024678	Phase 4 – Sewer Extension	0.2	12	2017	1,801	$26,822	$ 0.7 M	N/A	N/A	N/A	$184.6M
West Jackson Co. Utility District/ MS0045446	New Collection/ Pump Station Consolidation	0.09	20	2016	18,957	N/A	$4.7 M	N/A	N/A	N/A	$189.3M
Jackson Co. Utility Authority/ MS0045446	New Collection – Woodlake Ln (E of Old Ft Bayou)	N/A	N/A	2017	144,402	$49,082	$1.5 M	N/A	N/A	N/A	$190.8M

FISCAL YEAR – 2017 AND AFTER PLANNING LIST – Continued

Category 7: Wastewater Overflow/Bypass Elimination Projects

Project/ Permit Number	Project Description	Stream Class:	Population	Requested Funding FY	2016 Median House-Hold Income	Loan Amount Requested $ (Millions)	Eligible Small/Low Income Subsidy Amount $ (Millions)	Estimated Green Project Reserve Eligibility $ (Millions)	Green Project Reserve Category/ Documentation	Statewide Cum. Loan $ (Millions)
City of Greenville/ MS0020184	Sarullo Sanitary Sewer Improvements	F&W	33,172	2017	$27,743	$ 0.6 M	N/A	N/A	N/A	$191.4M
City of Greenville/ MS0020184	North Theobald Sanitary Sewer Improvements	F&W	33,172	2017	$27,743	$ 0.3 M	N/A	N/A	N/A	$191.7M
Town of Mt Olive/ MS0020699	Repair/replacement of collapsed sewer line to eliminate bypasses/ overflows, and rehabilitation to eliminate I & I	F&W	1,035	2017	$29,410	$ 0.5 M	$ 0.35 M	N/A	N/A	$192.2M

Category 8: Existing Facilities Upgrade (Meeting Final Limits)

Project/ Permit Number	Project Description	Stream Class.	Population	2016 Median House-Hold Income	Requested Funding FY	Loan Amount Requested	Eligible Small/Low Income Subsidy Amount $ (Millions)	Estimated Green Project Reserve Eligibility $ (Millions)	Green Project Reserve Category/ Documentation	Statewide Cum. Loan $ (Millions)
Town of Shubuta/ MS00330155	Sewer Replacements – Phase II	Rec	432	$26,280	2017	$ 0.3 M	$ 0.225 M	N/A	N/A	$192.5M

Town of Verona/ MS0042048	Sewer Rehab	F&W	3,236	$23,452	2017	$ 2.0 M	N/A	N/A	N/A	$194.5M

FISCAL YEAR – 2017 AND AFTER PLANNING LIST - Continued

Category 8: Existing Facilities Upgrade (Meeting Final Limits) – Cont.

Project/ Permit Number	Project Description	Stream Class.	Population	2016 Median House-Hold Income	Requested Funding FY	Loan Amount Requested	Eligible Small/Low Income Subsidy Amount $ (Millions)	Estimated Green Project Reserve Eligibility $ (Millions)	Green Project Reserve Category/ Documentation	Statewide Cum. Loan $ (Millions)
Louisville Utilities/ MS0025640	East Lagoon Pump Station Rehab	F&W	6,355	$27,907	2017	$1.8 M	N/A	N/A	N/A	$196.3M
City of McComb/ MS0061077	Park Lane Interceptor Upgrade	F&W	12,687	$27,980	2017	$ 2.1 M	N/A	N/A	N/A	$198.4M
City of Vicksburg/ MS0022381	Stouts Bayou Interceptor, Riverside Interceptor & Dorsey Street Force Main Rehab	F&W	23,700	$28,741	2017	$ 8.0 M	N/A	N/A	N/A	$206.4M
City of Laurel/ MS0024163 MS0020176	Rehabilitation of existing sewer lines	F&W	18,413	$29,193	2017	$3.3 M	N/A	N/A	N/A	$209.7M
City of Corinth/ MS0061328	Sewer Rehab	F&W	14,967	$31,633	2017	$3.0 M	N/A	N/A	N/A	$212.7M
City of Cleveland/ MS0026567	WWTP Construction Upgrade to Meet New Limits – Phase II	F&W	12,572	$33,275	2017	$21.7 M	N/A	N/A	N/A	$234.4M

FISCAL YEAR – 2017 AND AFTER PLANNING LIST - Continued

Category 8: Existing Facilities Upgrade (Meeting Final Limits) – Cont.

Project/ Permit Number	Project Description	Stream Class.	Population	2016 Median House-Hold Income	Requested Funding FY	Loan Amount Requested	Eligible Small/Low Income Subsidy Amount $ (Millions)	Estimated Green Project Reserve Eligibility $ (Millions)	Green Project Reserve Category/ Documentation	Statewide Cum. Loan $ (Millions)
City of Jackson/ MS0024295	Slip Lining Sewer Main & new metering station at the Savanna Street WWTP	F&W	172,149	$33,450	2017	$ 1.4 M	N/A	N/A	N/A	$235.8M
City of Jackson/ MS0044059	Upgrade Trahon-Big Creek POTW to be able to meet Phase II Limits	F&W	172,149	$33,450	2017	$10.0 M	N/A	N/A	N/A	$245.8M
City of Jackson/ MS0024295	Replace the influent pump station at the Savanna Street WWTF	F&W	172,149	$33,450	2017	$ 12.9 M	N/A	N/A	N/A	$258.7M
City of Flora/ MS005579	New effluent pump station & force main	F&W	2,110	$46,274	2017	$ 2.0 M	N/A	N/A	N/A	$260.7M
Town of Terry/ MS0025224	Wastewater Treatment Plant Upgrade	F&W	1,092	$48,236	2017	$ 1.1 M	N/A	N/A	N/A	$261.8M
Jackson County Utility Authority/ MSU085050	West Jackson County Artificial Wetlands WWTF Rehab	F&W	144,402	$49,082	2017	$ 2.4 M	N/A	N/A	N/A	$264.2M
Jackson County Utility Authority/ MSU085050	Jordon Road Regional Pump Station Force Main	F&W	144,402	$49,082	2017	$ 2.0 M	N/A	N/A	N/A	$266.2M

FISCAL YEAR – 2017 AND AFTER PLANNING LIST - Continued

Category 8: Existing Facilities Upgrade (Meeting Final Limits) – Cont.

Project/ Permit Number	Project Description	Stream Class.	Population	2016 Median House-Hold Income	Requested Funding FY	Loan Amount Requested	Eligible Small/Low Income Subsidy Amount $ (Millions)	Estimated Green Project Reserve Eligibility $ (Millions)	Green Project Reserve Category/ Documentation	Statewide Cum. Loan $ (Millions)
City of Ridgeland/ MS0024295	Eliminate several pump stations and divert flow to nearby gravity sewers	F&W	25,416	$54,814	2017	$ 1.5 M	N/A	$ 1.5 M	Energy Efficiency/ Categorical	$267.7M
DeSoto Co. Regional UA/ MS0058483	Upgrade Nolehoe Creek Interceptor and Conversion of Ross Road Lagoons to Equalization Basins	F&W	48,894	$59,920	2017	$8.0 M	N/A	N/A	N/A	$275.7M
DeSoto Co. Regional UA/ MS0058483	Ross Road WWTF Equalization Basin	F&W	48,894	$59,920	2017	$2.5 M	N/A	N/A	N/A	$278.2M

Abbreviations/Definitions

Co. Bd. of Sup. = County Board of Supervisors

Coll = Wastewater collection sewers which receive wastewater directly from residences and businesses.

Cont. = Contract

Drainage Basin = A region of land where water from rain drains downhill into a body of water, such as a river, lake, dam, estuary, wetland, sea or ocean.

HWY = Highway

Int = Wastewater interceptor sewers, pump stations, and force mains.

Rehab = Sewer system rehabilitation to remove excessive infiltration and inflow and/or to remove overflows and bypasses of wastewater.

Replacement = Replacement of collection and interceptor lines

Segment = Segmented project, a project for which the allowable costs exceed, in a given fiscal year, the amount that the Department can provide.

Trt = Wastewater treatment facilities.

Priority System for FY-15 Projects

D. Water Pollution Control Revolving Loan Fund Program Ranking and Funding Rationale

7. Projects will be ranked on one of the following three Priority lists.

Small/Low Income Communities Priority List – To be ranked on this list a project must meet the definition of projects described in one of the WPCRLF Priority System Categories Three (3) through Eight (8) as outlined in Section IV.E, below; and must serve a community/loan applicant which has a population of 3,000 or less and a median household income of $30,000 or less.

For the purposes of this section, a "community" is generally defined as the entire area within the applicant's political boundaries (incorporated area, certified area, etc.); however, if a county is the applicant, a clearly defined area within the county which is to be served by the proposed project, and which is not within the political boundaries of any other entity within the county, may be considered the community if determined appropriate and reasonable by the Department.

The median household income used in this determination shall be that defined in the ESRI Business Analyst 2016 Demographics and Income Profile (the same source which previously published the Community Sourcebook of Zip Code Demographics, historically used for such determinations in the WPCRLF Program).

Projects ranked on this Priority List will be eligible to receive loan subsidy in the form of principal forgiveness equal to 75% of the total loan amount. After bids are received the subsidy amount will be adjusted, to reflect 75% of the amount resulting from subtraction of any included construction contingency from the total as-bid loan amount, provided adequate subsidy remains available for any needed loan increases. Notwithstanding the above-described subsidy percentage, the cumulative subsidy provided to any single recipient for projects ranked on this Small/Low Income priority list shall not exceed $1,000,000.

To insure that the "small/low income communities" have a dedicated source of loan funds and will not have to compete with larger/higher income communities for funding, the Department is setting aside $2.1 million in available funds for qualifying projects in small/low income communities. However, subsidy fund availability for these projects will be limited as described in Section IV.D.6. Any funds not obligated for small/ low income communities by September 15, 2016 may be released and made available to any eligible loan recipient on the regular or green "project" reserve priority list, or to any project on the FY-17 and After Planning List which is ready for loan award.

"Green Project Reserve" Priority List – To be ranked on this list a project must meet the definition of projects described in any of the WPCRLF Priority System Categories as outlined in Section IV.E, below; and, at least 25% of the scope of work must qualify as "green," as determined by EPA's 2012 CWSRF 10% Green Project Reserve: Guidance for Determining Project Eligibility. Projects ranked

on this Priority List will be eligible to receive a loan subsidy in the form of principal forgiveness equal to 20% of the total loan amount. After bid are received the subsidy amount will be adjusted, to reflect 20% of the amount resulting from subtraction of any included construction contingency from the total as-bid loan amount, provided adequate subsidy remains available for any needed loan increases.

To ensure that "green projects" have a dedicated source of loan funds and will not have to compete with "regular" projects for funding, the Department is setting aside $2.6 million in available funds for "green" projects. However, subsidy fund availability for these projects will be limited as described in Section IV.D.6. Any funds not obligated for "green project reserve" projects by September 15, 2016 may be released and made available to any eligible loan recipient on the regular or small/ low income priority list, or to any project on the FY-17 and After Planning List which is ready for loan award.

During its solicitation of projects for FY-16 funding the Department did not receive sufficient eligible applications for green infrastructure, water or energy efficiency improvements, or other environmentally innovative activities to be able to obligate ten percent (10%) of the FY-16 allotment to "green projects." Therefore, in an effort to meet the "Green Project Reserve" objective, the Department intends to continue pursuing "green" projects, and carry these FY-16 funds over into FY-17 to be obligated in the FY-17 Intended Use Plan.

Regular WPCRLF Priority List – All other ranked projects that do not qualify for the Small/Low Income Communities Priority List or the "Green Project Reserve" Priority List will be placed on the Regular WPCRLF Priority List.

8. Projects will be placed on the applicable priority list according to priority ranking and will be awarded loans based upon each project's readiness to award.

The order of project categories in this Priority System reflect the Department's mission statement, "... to safeguard the health, safety and welfare of present and future generations of Mississippians by conserving and improving our environment and fostering wise economic growth through focused research and responsible regulation." The Department's intent in developing this priority system is to fund projects in the order of greatest benefit to the public health and the environment, and within certain categories to assist those communities that are least able to afford the needed environmental facilities without a low interest loan available through this program.

The term "ready to award" means that all loan application requirements established in the program regulations are met, and all documents necessary for loan award are approved. If a project cannot reasonably be expected to meet the Priority System deadlines, then the project will not be placed on the current year priority list, but rather will be placed on the planning list. Loans will be awarded for projects within the available funds in the following order:

g. Projects on the current year priority lists that meet all Priority System deadlines will be funded when they are ready to award.

h. Should any project on the current year priority lists fail to comply with any of the deadlines in this Priority System, the funds reserved for said project will be released and made available to projects on the current year priority list that are ready to award, on a first-come first-served basis.

i. If it becomes apparent that the projects on the current year's priority lists will not utilize all assumed available funds by the end of the current fiscal year, projects on the planning list that are ready to award will be funded from these remaining funds on a first-come, first-served basis.

j. Should less than the assumed funds become available, projects shown for funding in the current fiscal year that are ready to award will be funded as described above within the available funds.

k. Should more than the assumed funds become available from loan decreases, early loan payoffs, or other sources, these funds may be used for loan increases, to increase project amounts shown for funding in the current fiscal year, and/or to fund projects on the planning list that are ready to award, as determined appropriate by the Department.

l. Subsidy funds will be awarded as described in Section IV.D.6.

9. Coordination With Mississippi Basin Management Approach

Recognizing that the health and welfare of Mississippians, wildlife, fish and other aquatic life are directly affected by the quality of Mississippi's waters, the Department began implementing the Basin Management Approach (BMA) in 1998. The BMA is a collaborative, interagency initiative designed to improve and maintain the quality of our water resources through comprehensive long range water quality planning and management strategies. The BMA includes planning, data gathering, data assessment, Total Maximum Daily Load (TMDL) development, development of watershed management plans, and watershed project implementation.

In order to support the worthwhile goals of the BMA, higher ranking will be given to projects identified by the Basin Management Branch that implement watershed management plans to address water body impairments. These high priority BMA projects will be ranked at the beginning of each Priority Category beginning with the Raw Discharge Category through the Existing Facilities Upgrade (Meeting Final Limits) Category. If a Priority Category is divided into various subcategories, these projects will be ranked at the beginning of each subcategory.

If more than one high priority BMA project is ranked in a priority category, these projects will be moved to the beginning of that category and or subcategory and will be ranked in accordance with the Priority System.

10. WPCRLF Loans to Match EPA Special Appropriations Projects (SPAPs)

On August 16, 2001 EPA issued a class deviation from the provisions of 40 CFR 35.3125(b)(1). This class deviation will allow the non-federal, non-state match WPCRLF funds to be used to provide loans that can be used as local match for SPAP grants awarded to construct water pollution control projects.

These non-federal, non-state match WPCRLF loan funds will be made available to eligible SPAP grant recipients that are on the current year priority list for use as local match funds for their SPAP grants, provided the SPAP grant is for WPCRLF loan eligible work. Such projects will be funded in accordance with the Priority System, and until all non-federal, non-state match monies have been obligated or demand for such funds has been met.

11. Loan Increase Reserve

Beginning in FY 2001 the Department began making loan awards after approval of the facilities plan and loan application rather than after completion of design. This change in the loan award sequence increases the likelihood that bid overruns may be greater than the construction contingency included in the loan agreement, and that additional loan funds may be needed to ensure that these projects are completed. In order to provide needed loan increases to existing loans, the Commission intends to set aside the amounts identified in Appendix A for such loan increases to be awarded on a first-come, first-served basis. Any funds not obligated for this purpose by the end of the fiscal year may be made available for new loans ready for award on a first-come, first-served basis from either the Priority List or the Planning List.

If these loan increase reserve funds are exhausted during the year, and additional funds are needed for loan increases to cover bid overruns or other project cost increases to ensure that on-going projects are completed, the Department may use funds recovered from loan decreases or other sources during the year to fund such needed loan increases.

12. Subsidy Increase Reserve

Due to the limited subsidy funds availability anticipated during FY 2016, all FY-2014 and prior subsidy funds which become available for obligation, including any subsidy funds recovered from loan decreases, will be reserved until September 1, 2016, for making subsidy increases after bids to subsidy-eligible projects funded prior to FY-2016. The total amount of subsidy resulting from any such increase shall be limited as outlined in Section IV.D.1. Any subsidy funds not obligated for such increases by September 1, 2016, may be made available for funding new subsidy-eligible projects in priority order on the "Small Low Income" Priority List and the "Green Project Reserve" Priority List, as outlined in Section IV.D.1.

E. Priority System Categories

13. The first category of projects on the Priority List will be the Segmented Projects. These projects include any remaining segments of projects that previously received funding for an integral portion of that project, and are necessary for the entire project to be functional. Projects will be funded under this category in order of their regular priority ranking provided they meet the deadlines established in Section F.

    In order to maintain continuity, the Commission intends to make some amount of funds available for each ongoing segmented project. Preference in the amount of funds to be provided will be given to the projects that received the earliest loan award for their initial segment.

14. The second category of projects will be the Previous Year Standby Projects. This category of projects includes projects that 1) were listed on the previous year's Planning List within an amount of approximately 25% of that year's total available funds, 2) met all applicable Priority System deadlines in the previous fiscal year, and 3) were not funded because of a lack of WPCRLF funds or did not receive an assurance of CDBG, ARC, RUS, CIAP or other match funding in the previous fiscal year. Within this category, these projects will be ranked according to the current Priority System.

15. The third category of projects will be the Raw Discharge Correction Projects for communities with sewage collection systems but no treatment facilities. This is necessary to ensure that the water quality problems associated with continuous discharges of untreated sewage from these systems are addressed as required by the federal Clean Water Act. Projects within this category will be ranked in order of the highest estimated discharge flow rate.

    If a project in this category is identified as a high priority BMA project, that project will be ranked at the beginning of the list within this category.

16. The fourth category of projects will be the Existing Facilities Upgrade (Not Meeting Final Limits) Projects. The scope of these projects may include only the upgrade, expansion, replacement, rehabilitation, and repair (including infiltration/inflow removal) of existing wastewater transportation and treatment facilities, or drinking water sludge discharge treatment facilities, necessary to bring the existing treatment facility into compliance with final effluent limitations, or to eliminate existing facilities not meeting final limits. Projects will be funded under this category in order of priority points, provided they meet the deadlines established in the Priority System. The priority points will be determined as established in Section G of this Priority System. These projects will not be considered for funding if a Commission Order schedule requires construction of these projects substantially prior to the Priority System deadlines

    If a project in this category is identified as a high priority BMA project, that project will be ranked at the beginning of the list within this category.

17. ~~The fifth category will be Non-Point Source and Storm Water Pollution Correction Projects which may include program costs, conservation easements, sedimentation basins, levees, canals and other structures for the purpose of correcting non-point and storm water sources of pollution.~~

~~These projects must be consistent with any applicable Section 319 Management Programs approved by the Department of Environmental Quality. The projects within this category will be ranked in order of the highest receiving stream classification that is being negatively impacted by these sources of pollution.~~

~~Receiving stream classifications will be ranked in the following order: Public Water Supply; Shellfish Harvesting; Recreation; Fish & Wildlife; and Ephemeral. Within each stream classification, projects will be ranked by the highest acreage of runoff that is contributing to the non-point and/or storm water sewer pollution problem, and that will be addressed by the project.~~

~~If a project in this category is identified as a high priority BMA project, that project will be ranked at the beginning of the list within the subcategory where the project is currently ranked.~~

18. ~~The sixth category will be the New Collection – Existing Buildings Projects that are necessary to construct eligible sewers and treatment facilities for existing (at the time of facilities plan submittal) residences, businesses and public buildings. Projects in this category may not include the construction of wastewater treatment or transportation facilities to serve areas that are not developed at the time of facilities plan submittal.~~

~~The system for ranking collection systems is designed to give highest ranking to those projects serving an individual drainage basin within the loan recipient's political boundaries that: 1) will correct the most potential health problems (this is described below by the term "Residences Served") and 2) are most cost effective (this is described below by the term "Residences Served/Total Eligible Cost for Entire Project"). Priority points will then be calculated as follows:~~

$$\text{Priority Pts.} = \frac{(\text{Residences Served}) \times (\text{Residences Served}) \times 1000}{(\text{Total Eligible Cost for Entire Project})}$$

~~If ties occur in priority points those projects will be ranked according to the highest number of residences served. The term "residences served" includes businesses and public buildings.~~

~~The term "Total Eligible Cost for Entire Project" means the total eligible cost to construct the collection and interceptor system for an individual drainage basin within the loan recipient's political boundaries and to cause the wastewater treatment facility to meet final effluent limits at the time the collection project is predicted for funding.~~

~~Except as allowed in Section IV.E.11, collection sewers will not be funded prior to funding of the treatment portion of a project necessary to cause the wastewater~~

~~treatment facility to meet final effluent limits.~~

~~If a project in this category is identified as a high priority BMA project, that project will be ranked at the beginning of the list within this category.~~

19. ~~The seventh category of projects will be the Wastewater Overflow/Bypass Elimination Projects. The scope of these projects may include only the replacement, rehabilitation, and/or repair of existing transportation facilities that are necessary to eliminate documented bypasses and/or overflows of raw sewage from these transportation facilities for a 2 year, 24 hour rainfall event, as documented in the facilities plan for the project and approved by the Department.~~

~~To be eligible for this category the bypasses and/or overflows documented in the facilities plan must have been reported, by the deadline for submission of the facilities plan, to the Department in accordance with the requirements of the loan applicant's NPDES permit.~~

~~These projects will be ranked in order of the highest receiving stream classification that will be negatively impacted by the bypass and/or overflow. Receiving stream classifications will be ranked in the following order:~~

~~Public Water Supply, Shellfish Harvesting, Recreation, Fish & Wildlife, and Ephemeral. Within each stream classification above, projects will be ranked from the lowest to the highest 2016 median household income as displayed in the publication "ESRI Business Analyst Demographic and Income Profile Report".~~

~~If a project in this category is identified as a high priority BMA project, that project will be ranked at the beginning of the list within the subcategory the project is currently ranked.~~

20. ~~The eighth category of projects will be the Existing Facilities Upgrade (Meeting Final Limits) Projects. Included within the scope of these projects may be the upgrade, expansion, replacement, rehabilitation, and repair of existing wastewater treatment and transportation facilities, including the removal of infiltration/inflow. The scope of these projects may not include the construction of new wastewater treatment or transportation facilities if none now exists.~~

~~These projects will be ranked first in order of the highest receiving stream classification that would be negatively impacted by wastewater should the facilities to be upgraded fail. Receiving stream classifications will be ranked in the following order:~~

~~Public Water Supply, Shellfish Harvesting, Recreation, Fish & Wildlife, and Ephemeral. Within each stream classification above, projects will be ranked from the lowest to the highest 2016 median household income as displayed in the publication "ESRI Business Analyst Demographic and Income Profile Report".~~

If a project in this category is identified as a high priority BMA project, that project will be ranked at the beginning of the list within the subcategory the project is currently ranked.

21. The ninth category will be New Facilities (Developmental) Projects. These projects may include the expansion or upgrade of existing wastewater treatment and transportation facilities and the construction of new wastewater treatment and transportation facilities to accommodate future growth within the design flow for the planning area to be served. Transportation facilities may include interceptors, pump stations, force mains, and collector lines. The projects within this category will be ranked from the lowest to the highest 2016 median household income for the community, as displayed in the publication "ERSI Business Analyst Demographic and Income Profile Report".

22. The tenth and final category will be Industrial Projects. The facilities to be built or upgraded under this category must be owned and constructed by a WPCRLF loan eligible public entity and may include industrial wastewater treatment and transportation facilities. The projects within this category will be ranked from the lowest to the highest 2016 median household income for the community, or nearest community, as displayed in the publication "ERSI Business Analyst Demographic and Income Profile Report".

23. New collection sewer projects will be funded only under the New Collection – Existing Buildings category or the New Facilities (Developmental Projects) category.

24. The complete treatment portion of a project, as necessary to cause the wastewater treatment facility to meet final limits, must be funded prior to or along with any other project portion, except in the case of a recently acquired facility that has or will be given interim limits with a schedule to meet the final limits. In such case other project portions may be funded first provided the facility complies with the schedule to meet final limits.

F. Priority System Deadlines

5. By May 1, 2016, the loan applicant must submit to MDEQ the complete WPCRLF facilities plan, prepared in accordance with the WPCRLF loan program regulations and the "Guidance For Water Pollution Control Revolving Loan Fund Projects Funded Beginning Federal FY 2016 (October 1, 2015 and After)." A complete WPCRLF facilities plan includes all IGR agency comments; a copy of the public notice for the proposed project; copies of any comments received from the public; and, a summary of how each comment was addressed. The loan applicant should also submit one copy of the facilities plan to the Rural Utilities Service (formerly Farmers Home Administration) if the loan applicant has existing debt with Rural Utilities Service, along with a request for their approval to incur this additional debt.

Any significant changes made to the facilities plan (i.e., changes in the chosen alternative, location of the facility, cost increases that substantially affect the financial capability of the loan recipient, etc.) after this date will be considered as a first submittal

of the facilities plan. The loan applicant will then be considered to be in violation of this Priority System deadline and the project will be placed on the planning portion of the Priority List, or if the change is made after adoption of the Intended Use Plan, funds reserved for this project may be released and made available to other projects.

6. By June 15, 2016, a completed WPCRLF loan application and all associated documents required by the WPCRLF regulations and the "Guidance For Water Pollution Control Revolving Loan Fund Projects Funded Beginning Federal FY 2016 (October 1, 2015 and After)" must be submitted to MDEQ. Prior to preparing these documents the loan recipient and/or consulting engineer should request and attend a pre-application conference. This deadline must be met to be able to qualify for the Previous Year Standby Category in the FY-16 IUP.

7. By August 1, 2016 all approvable documents and responses to Department comments necessary for loan award must be submitted to the Department for review and approval. This deadline must be met to be able to qualify for the Previous Year Standby Category in the FY-16 IUP. Projects on the Planning List or projects on the current year list that had their funds released should also meet this deadline in order to allow for Department reviews/approvals necessary for loan award prior to the end of the fiscal year.

8. By September 15, 2016 any "Small/Low Income" or "Green Project Reserve" subsidy that has not been awarded to a project may be released and made available to any project that is ready for loan award on a first-come, first-served basis.

G. Priority Point Formula for Existing Facilities (Not Meeting Final Limits) Category Projects.

1. Priority points for these projects will be calculated using the following formula for each stream classification impacted:

Priority Points = (Stream Classification Factor)
X
(Existing Water Quality Problem Factor)
X
(Achievement of Stream Use Factor)

Calculation of Factors:

b. Stream Classification Factor - Factors will be assigned as follows based on the type of stream that the present wastewater discharge impacts:

Stream Classification	Factor
Ephemeral	1
Fish & Wildlife ($Q_{10/7} > 0$)	5
Recreation	15
Shellfish Harvesting	25
Public Water Supply	30

Stream classifications for all bodies of water within the State have been established and adopted by the Commission on Environmental Quality as part of the State Water Quality Standards.

Recreational waters are those which have been classified as such by the Commission.

b. Existing Water Quality Problem Factor - Factors will be assigned based on the extent of the water quality problem presently caused by the existing wastewater discharge. The Dissolved Oxygen Problem Factor, the Public Health/ Bacteria Problem Factor, the Ammonia Toxicity Problem Factor, and the Chlorine Toxicity Problem Factor will be added to arrive at the total Existing Water Quality Problem Factor.

Water Quality Problem Factor = D. O. Problem Factor + Public Health/Bacteria Problem Factor + Ammonia Toxicity Problem Factor + Chlorine Toxicity Problem Factor + 1 (if a minimum of secondary treatment is not presently provided).

ii. Dissolved Oxygen Problem Factor - This factor will be determined by use of the BOD, and flow values specified in the present limitations of the NPDES permit, unless significantly different from present effluent characteristics. These limitations will be entered into the standard wasteload allocation formula and a minimum dissolved oxygen concentration in the stream will be predicted for the existing wastewater discharge. The dissolved oxygen deficit is the difference between the dissolved oxygen standard, which is normally 5.0 mg/l, and the predicted minimum dissolved oxygen in the stream.

This dissolved oxygen deficit is then multiplied by the stream miles (or equivalent stream miles) which presently have a dissolved oxygen concentration below the designated standard to obtain the Dissolved Oxygen Problem Factor as shown below:

Dissolved Oxygen Problem Factor = (D.O. deficit) x (Stream or Equivalent Stream miles below standard)

In order to rank all projects (on both inland and estuary waters) together, it is necessary to develop a relationship between stream miles impacted and estuary waters impacted. The term "equivalent stream miles" has been developed for estuaries based on the premise that the surface area of a body of water most directly represents the value of the water body in terms of a fisheries resource, recreational use, etc. In calculation of "equivalent stream miles" it is assumed that a typical stream width is 50 feet. The area (in square feet) of the estuary impacted, as determined by the math model, is then divided by {50 feet x 5,280 feet/mile} to give the "equivalent stream miles". Equivalent stream miles will only be calculated for bay like estuary

segments. All other estuary segments will be measured in actual miles like freshwater streams.

For streams impacted by more than one discharge, the D.O. problem factor will be determined by using the difference between the D.O. factor with all discharges and the D.O. factor considering the discharge in question removed. If there is more than one discharge

from the same project on the same stream, miles impacted will only be counted once.

ii. Public Health/Bacteria Problem Factor – This factor will be determined based on whether or not the existing discharge has a bacterial impact on Recreational, Water Supply, Shellfish Harvesting or Fish & Wildlife waters. Discharges into Ephemeral waters are considered to have no bacterial impact, unless a public health problem can be documented in the receiving stream.

A discharge into Recreational, Water Supply, or Fish & Wildlife waters is considered to have a bacterial impact on such waters if the discharge is not disinfected, or if present disinfection facilities are inadequate. A discharge is considered to have a bacterial impact on Shellfish harvesting waters if the National Shellfish Sanitation Program Criteria are not met in the waters impacted by the discharge or if present disinfection facilities are inadequate.

Factors will be assigned for the bacteria problem as follows:

No Impact – 0
Bacteria Impact – 20

iii. Ammonia Toxicity Problem Factor – This factor will be determined by use of the NH_3, and flow values specified in the present limitations of the NPDES permit, unless significantly different from the present effluent characteristics. If an NH_3 limit is not present in the permit, an NH_3 concentration typical of the effluent from the current facility will be selected. As with the Dissolved Oxygen Problem Factor, these limitations will be entered into the standard wasteload allocation formula and an in-stream NH_3 concentration will be predicted for the existing wastewater discharge. The NH_3 exceedance is the difference between the predicted maximum NH_3 in the stream and the acceptable concentration (EPA Gold Book) protective of aquatic life.

This ammonia exceedance is then multiplied by the stream miles (or equivalent stream miles) which presently have an NH_3 concentration above the acceptable level to obtain the Ammonia Toxicity Problem Factor as shown below:

Ammonia Toxicity Problem Factor = (NH_3 exceedance) X (stream or equivalent Stream miles above acceptable concentration)

iv. Chlorine Toxicity Problem Factor - This factor will be determined by the difference in the previously allowed chlorine concentration in the NPDES permit (usually 1.0 mg/l) and the new maximum chlorine concentration allowed in the NPDES permit which will be multiplied by a factor of 20.

Chlorine Toxicity Problem Factor = (1.0 mg/l - the new maximum chlorine concentration allowed in the NPDES permit in mg/l) X (20)

c. Achievement of Stream Use Factor - If the proposed project, along with other proposed projects in the planning area, will cause achievement of all water quality criteria then a factor of 2 will be assigned; except that if a stream exception has been granted a factor of 1 will be assigned. Also, a factor of 1 will be assigned when all water quality criteria will not be met.

2. The projects in this category which eliminate existing discharges will receive the sum of the priority points assigned to the discharges to be eliminated.

3. All portions of these projects (such as pump stations, force mains, sewer rehabilitation, and interceptors) that are necessary to cause the environmental problem to be eliminated will receive the same number of priority points as that calculated for the existing discharge(s), to which the project portion is connected.

4. Project ties in priority points, which are calculated in accordance with Section B., will be broken by ranking in order of the following ratio:

$$\frac{\text{lbs. BOD Removed by Project}}{\text{Total Eligible Cost for Project}}$$

5. Projects in this category that are not meeting final limits, but for which zero priority points are calculated (i.e., suspended solids violations, percent removal, BOD violations, etc.), will receive a minimum of 1.0 priority point, and will then be ranked in order of the stream classification of the receiving stream.

V. FY- 2016 Water Pollution Control (Clean Water) Revolving Loan Fund Project Detail Information

Projects/ Permit Number	Project No.	Communities Served	Project Schedule*			Project Assistance					Technical Information			
			BCD	CSD	CCD	Type Assistance	Loam Amount[1]	Interest Rate	Repay Period	Initial Repay. Date	Type Project**	Needs Category [+]	Priority Ranking	Discharge Req.
City of Wiggins	2016-1	Wiggins	09/30/16	03/15/17	03/15/18	Regular Loan	$2.2 M	1.75 %	20 Yrs	06/15/18	212	IVA	1	N/A
City of Brandon	2016-2	Brandon	09/30/16	01/01/17	10/01/17	Regular Loan	$2.4 M	1.75 %	20 Yrs	01/01/18	212	IVA	2	N/A
City of Wiggins	2016-3	Wiggins	09/30/16	03/15/17	03/15/18	Regular Loan	$1.9 M	1.75 %	20 Yrs	06/15/18	212	IIIB	4	N/A
West Rankin Utility Authority	2016-4	Western Rankin County	09/30/16	10/17/16	10/17/18	Regular Loan	$9.9 M	1.75 %	20 Yrs	01/17/19	212	IIIB	5	N/A
Pearl River County Utility Authority	2016-5	Pearl River County	09/30/16	01/01/17	01/01/19	Regular Loan	$6.1 M	1.75 %	20 Yrs	03/01/19	212	IIIB	6	N/A
City of Waveland	2016-6	Waveland	09/30/16	06/30/17	06/30/18	Regular Loan	$7.7 M	1.75 %	20 Yrs	09/30/18	212	IIIB	7	N/A
Town of Friars Point	2016-7	Friars Point	09/30/16	01/23/17	11/19/17	Regular Loan	$2.1 M	1.75 %	20 Yrs	03/19/19	212	IIIB	3	N/A
West Jackson County Utility District (Catch-up Project)	2016-8	West Jackson County	09/30/16	01/23/17	01/23/18	Regular Loan	$4.7 M	1.75 %	20 Yrs	04/23/19	212	IVA	8	N/A
Totals							$37.0 M							

Notes: - All of the loan projects will require an environmental review in accordance with the State SRF regulations and the supplemental "Guidance For Water Pollution Control Revolving Loan Fund Projects Funded Beginning Federal FY 2016 (October 1, 2015 and After)."

+ = Needs categories are defined in Federal regulations 40 CFR 35.2015.

*BCD = Binding Commitment Date

*CSD = Construction Start Date

*CCD = Construction Completion Date

**212 = Treatment works are defined in Section 212 of the Federal Clean Water Act.

**319 = Best Management Practices are defined in Section 319 of the Federal Clean Water Act.

[1] Loan amounts have been rounded up to the next $100,000.

VI. FY 2016 Assumed Available Funds

A. Federal Funds

In developing this Intended Use Plan the Department has used the actual FY-16 Title VI Clean Water SRF appropriations of $1,381,210,000, and EPA's allotment notification. This IUP also reflects the $2,380,000 state match provided by the State Legislature during the Spring 2016 legislative session, which was only adequate to match the remainder of the FY-14 allotment, and a small portion of the FY-15, but none of the FY-16 allotment. Therefore, the State's actual Title VI allotment for FY-16 of $12,037,000, of which up to $3,611,100 can be used for additional subsidy, will not be available until the required state match is provided, which is anticipated to be in FY-2017.

Per Section B.5 of the Operating Agreement between the Mississippi Department of Environmental Quality and the Environmental Protection Agency, Region IV the cash draw ratio is 83.3% federal funds and 16.7% state funds.

B. State Match Funds

The State normally receives its 20% state match from state general obligation bonds appropriated by the state legislature and from interest earnings on state match deposits. However, during the Spring 2016 legislative session, the Legislature provided a direct appropriation of $2,380,000 to be used for state match funds. These appropriated funds are being used to match the remaining $11,087,785 of the FY-14 capitalization grant, and $812,215 of the FY-15 capitalization grant. The remainder of the FY-15 capitalization grant, and the entire FY-16 capitalization grant will be matched with anticipated match funds to be requested of the State Legislature during the Spring 2017 legislative session. If the Legislature provides bond authority for that match, it is expected that the bond proceeds will be deposited into the WPCRLF in the fourth quarter of FFY-2017.

It is anticipated that the Legislature will require that these state bonds be retired with the interest portion of loan repayments and interest earnings on the fund deposits. The Department will set aside a portion of the interest earnings from loan repayments and interest earnings on fund deposits and will use these funds to make semi-annual payments to the Mississippi State Treasurer's Office. These semi-annual payments will be used to retire the bonds and pay interest on the outstanding bonds. The amounts of interest repayments and earnings set aside for this purpose will be shown on Appendix A – Assumed Available Funds in the FY-2017 IUP.

C. WPCRLF Loan Repayments

3. Katrina Related Loan Forbearances -

As a result of the devastation caused by Hurricane Katrina in 2005, the Department contacted all loan recipients on the Mississippi Gulf Coast regarding their ability to make their loan repayments as required by their loan agreements with the Department. As a result of these contacts the Department offered to restructure these loans to provide a forbearance period for their loan repayments, with no interest accrual during the first two years of forbearance (as limited by

~~State Law), to allow them time to rebuild their communities and then resume their loan repayments. The Department received requests for forbearance periods ranging from a few months to eleven years.~~

~~The Department took these requested forbearance periods into account when it calculated the anticipated loan repayments shown in Appendix A – Assumed Available Funds. The total reduction in loan repayments as a result of these forbearances is ~ $1.5 million per year.~~

4. ~~In FY 16 the Department is obligating WPCRLF projected loan repayments and interest earnings (from existing closed loans) through October, 2017.~~

VIII. Proposed Payment (Federal Letter of Credit {LOC}) Schedule for FY 2016. Clean Water SRF Cap. Grant, based upon Appendix A:

Payment (LOC) Number	Payment (LOC) Date	Payment (LOC) Amount	Cumulative (LOC) Amount
FY 2014 No. 2 of 3	3Q FY 2016	$ 717,210	$ 717,210
FY 2014 No. 3 of 3	4Q FY 2016	$ 11,087,785	$ 11,804,995
FY 2015 No. 1 of 2	4Q FY 2016	$ 812,215	$ 12,617,210
FY 2015 No. 2 of 2	4Q FY 2017	$ 11,754,785	$ 24,371,995
FY 2016 No. 1 of 1	4Q FY 2018	$ 12,307,000	$ 36,678,995

VIII. Projected Schedule of Drawdowns Against Federal Letter of Credit, based upon Appendix A:

For FY 2014 SRF Cap Grant: (See Appendix B).

Outlay Quarter	Federal Outlay Amount	Cumulative Outlay Amount
1Q FY 17	$ 3,850,000	$ 3,850,000
2Q FY 17	$ 3,258,333	$ 7,108,333
3Q FY 17	$ 4,156,250	$11,264,583
4Q FY-17	$ 540,412	$11,804,995

For FY 2015 SRF Cap Grant: (See Appendix B).

Outlay Quarter	Federal Outlay Amount	Cumulative Outlay Amount
4Q FY 17	$ 4,140,838	$ 4,140,838
1Q FY 18	$ 4,414,583	$ 8,555,421
2Q FY 18	$ 3,789,583	$12,345,004
3Q FY 18	$ 221,996	$12,567,000

For FY 2016 SRF Cap Grant: (See Appendix B).

Outlay Quarter	Federal Outlay Amount	Cumulative Outlay Amount
4Q FY 18	$ 2,050,000	$ 2,050,000
1Q FY-19	$ 1,333,333	$ 3,383,333
2Q FY 19	$ 508,333	$ 3,891,666

IX. Certifications

1. The State certifies that all treatment works for funding under this Intended Use Plan are or will be in compliance with Section 205(j), 319 and/or 320 planning and that all non-point source control and estuarine projects are or will be consistent with planning under Sections 319 and/or 320.

2. The State certifies that it will make an annual report to the Regional Administrator on the actual use of funds and how the State has met the goals and objectives for the previous fiscal year as identified in the IUP; and to annually have conducted an independent audit of the fund to be conducted in accordance with generally accepted government accounting standards.

3. The State certifies that this Intended Use Plan has been subjected to public review and comment prior to final submission to EPA.

4. The State certifies that all wastewater facility projects in this Intended Use Plan are on the project Priority List developed pursuant to the requirements of Section 216, CWA.

5. The State certifies that it will enter into binding commitments for 120% of the amount of each payment (LOC) under the capitalization grant within one year after receipt of each payment (LOC).

6. The State certifies that it will expend all funds in the WPCRLF in an expeditious and timely manner.

7. The State certifies that all wastewater facilities in the State are in compliance with enforceable requirements or are making progress toward meeting those requirements.

10. The State certifies that it will conduct environmental reviews on treatment works projects in accordance with the State environmental review process.

11. The State certifies that all POTWs listed on the national Municipal Policy List are either in compliance with their final limits, have an enforcement action filed against them, or have a funding commitment during or prior to the first year covered by this IUP.

X. Expected Environmental Outcomes and Performance Measures

The objective of this program is to disperse all loan funds available in a timely manner in order to achieve the intended cost-effective environmental protection benefits, and to ensure compliance with loan agreements, as required by state and federal laws and regulations.

The State agrees to complete a one-page worksheet for all binding commitments (final loan agreement). The State will also include copies of the completed worksheets in its annual report in order to demonstrate compliance with the EPA Order 5700.7.

PART 2 – Additional Federal Requirements for Fiscal Year 2016 and After

I. Introduction

The *Water Resources Reform and Development Act, 2014* (WRRDA), which was passed by Congress and signed into law by the President on June 10, 2014, included amendments to the Clean Water State Revolving Fund (CWSRF) program authorized by Title VI of the Federal Clean Water Act. Those amendments, along with the exhaustion of "banked equivalency/cross-cutter compliance," utilized by the Water Pollution Control Revolving Loan Fund (WPCRLF) Program since FY-2001, are requiring significant changes to the WPCRLF Program for loans awarded October 1, 2014, and after. Some of those changes were implemented in FY-2015 as required, and the remaining requirements are being implemented in FY-2016. Additional optional WRRDA-related changes will be considered for implementation in future fiscal years.

II. Supplemental Guidance

To assist in complying with the new requirements, MDEQ has prepared a supplemental guidance document to be used in conjunction with the previously existing WPCRLF Regulations and checklist/guidance. The document is entitled, "GUIDANCE FOR WATER POLLUTION CONTROL REVOLVING LOAN FUND PROJECTS FUNDED BEGINNING FEDERAL FY 2016 (OCTOBER 1, 2015 AND AFTER)," is dated December 11, 2015, and is available for viewing/downloading on MDEQ's WPCRLF Program webpage by going to www.deq.state.ms.us choosing "Surface Water Division" (under "Office of Pollution Control"), then choosing "Construction Branch," then "Water Pollution Control (Clean Water) Revolving Loan Fund Program."

III. Additional Requirements

A. Endangered Species Act, Fish and Wildlife Coordination Act, Migratory Bird Treaty Act, and (Only for projects located in Jackson, Harrison, and Hancock Counties) Coastal Barrier Resources Act (Cross-Cutters):

The Loan Recipient/Consultant must submit a map and description of the proposed project to the U.S. Fish & Wildlife Service (USFWS) Mississippi Ecological Services Field Office. The USFWS comments must be included in the facilities plan; and, if the USFWS requires further action (e.g. a vegetative/wildlife survey), such action must be taken, and the final USFWS clearance letter must be submitted to MDEQ with the loan application package.

B. Sole Source Aquifer (Only for projects located in the Southern Hills Regional Aquifer System which is the area between the Mississippi and Pearl Rivers from and including Warren and Hinds Counties, south to the Louisiana State Line.) (Cross-Cutter):

The Loan Recipient/Consultant must submit a map and description of the proposed project to the USEPA Region IV, Grants and Drinking Water Protection Branch, and include any resulting EPA comments in the facilities plan.

C. Farmland Protection Policy Act (FPPA) (Cross-Cutter):

All WPCRLF projects must now undergo Farmland Protection Policy Act review. The MDEQ Project Manager will complete this review in accordance with the FY 2015 Operating Procedure for FPPA. Once complete, copies of the compliance documentation will be provided to the Loan Recipient/Consultant for their planning files.

D. Environmental Review {WRRDA Section 5002(1)}:

All WPCRLF projects must now comply with 40CFR35.3140(b) {Tier 1 "NEPA-like" review}. Therefore, in addition to (or in lieu of) the requirements of Appendix B of the WPCRLF Regulations and Sections VI.C, VIII.B, and VIII.C, of the Facilities Plan Checklist, the following will be required:

3. The comparative evaluation of alternatives in the facilities plan must also include any sensitive environmental issues that are identified during management of the project or through public participation.

4. A public hearing must be held for ALL projects. Topics to be discussed at the hearing include the facilities to be built, why they are needed, where they will be built, how much they will cost, the average monthly user charge, and the environmental impact. The facilities plan must include proof that notice of the hearing was published in a newspaper of general circulation in the project area at least 30 days prior to the hearing date. The plan must also include minutes from the hearing, including any public comments.

When the facilities plan is approvable, the MDEQ Project Manager will prepare the appropriate environmental document (Categorical Exclusion, Finding of No Significant Impact/Environmental Assessment, Environmental Impact Statement, etc.) for the project in accordance with MDEQ's "FY 2015 Operating Procedure for Environmental Review," which is also available for viewing/downloading MDEQ's WPCRLF Program webpage. Note that this is a deviation from Appendix B of the existing WPCRLF Regulations, and any necessary variances will be provided through each loan agreement in accordance with the variance procedures in the Regulations.

E. Fiscal Sustainability Plan {WRRDA Section 5003(2)}:

All WPCRLF loan recipients must now certify that they have developed and implemented a Fiscal Sustainability Plan (FSP) that includes:

1. An inventory of critical assets that are a part of the treatment works;
2. An evaluation of the condition and performance of inventoried assets or asset groupings;
3. A certification that the recipient has evaluated and will be implementing water and energy conservation efforts as part of the plan; and
4. A plan for maintaining, repairing, and, as necessary, replacing the treatment works and a plan for funding such activities.

A Fiscal Sustainability Plan (FSP) Certification must be submitted with the loan application package indicating that the Loan Recipient has either 1) already developed

and implemented an FSP or 2) will do so by the date established in the loan agreement which represents 90% of construction completion. If the latter, a corresponding follow-up FSP Certification will be required by that same 90% construction completion date.

F. Generally Accepted Accounting Principles (GAAP)/Governmental Accounting Standards Board (GASB) {WRRDA Section 5002}:

All WPCRLF loan recipients are now required to maintain project accounts according to Generally Accepted Accounting Principles (GAAP) as issued by the Governmental Accounting Standards Board (GASB), including standards relating to the reporting of infrastructure assets. A corresponding GAAP Certification must be submitted with the loan application.

The most recent applicable standard is GASB Statement No. 34 (GASB 34), issued in June 1999, which details governmental reporting requirements including standards for reporting of infrastructure assets. Further details on the requirements, as well as the full text of GASB 34, can be obtained through the GASB.

G. Loan Term/Useful Life {WRRDA Section 5003(2)}:

The maximum CWSRF loan term allowed by federal law was changed from twenty years to the lesser of thirty years and the "projected useful life of the project." The Department is currently in the process of evaluating the financial impacts to the WPCRLF if loan terms in excess of twenty years are made available to certain projects or categories of projects, and what interest rates and other conditions would be appropriate for such loan terms. For FY-2016 the WPCRLF loan terms and interest rates will remain as outlined in Part 1, Section II.c. of this Intended Use Plan.

Regarding the "useful life" limitation, the Department has confirmed with EPA that, in view of the WPCRLF loan award history, the following approach is acceptable. For treatment works projects funded with WPCRLF loans with repayment terms of 20 years or less, the useful life will be considered to be at least 20 years, with no additional documentation or project-specific determination required. For treatment works projects to be funded with WPCRLF loans with repayment terms greater than 20 years, and for any non-treatment works projects, additional documentation supporting the project useful life may be required, and a project-specific useful life determination will be made and included in the project files. Each applicable project's Loan Application File will be documented with a copy of a corresponding useful life determination memo, which confirms this approach.

H. Uniform Relocation Assistance and Real Property Acquisition Policies Act (Cross-Cutter):

All WPCRLF loan recipients are now required to comply with the federal "Uniform Act." The implementing regulations can be found at 49CFR24.101 through 24.105. To confirm compliance, the Loan Recipient and Title Counsel must submit the "Limited Site Certificates for Projects Funded Beginning FY 2015" and "Clear Site Certificates for Projects Funded Beginning FY 2015" by the date(s) specified in the loan agreement.

I. Executive Order 12549-Debarment and Suspension (Cross-Cutter):

In order to ensure compliance with this executive order, all WPCRLF-funded construction contracts must include MDEQ's "Supplementary Information for Bidders" dated December 11, 2015, verbatim.

J. Executive Order 11246-Equal Employment Opportunity (Cross-Cutter):

In order to ensure compliance with this executive order, all WPCRLF-funded construction contracts must include MDEQ's "Supplementary Information for Bidders" dated December 11, 2015, verbatim.

K. Davis Bacon Prevailing Wage Rates (WRRDA Section 5002)

The Davis Bacon (DB) requirements [as referenced in Section 513 of the Federal Water Pollution Control Act (33 U.S.C. 1372)] now apply to all treatment works projects constructed in whole or in part with WPCRLF funds. These are effectively the same requirements applied to FY-2012 through FY-2015 WPCRLF projects based on EPA's interpretation of the FY-2012 CWSRF appropriations language. WRRDA reaffirmed that the DB requirements are applicable for all future WPCRLF projects. Specific details regarding compliance with these requirements are outlined in MDEQ's "Supplemental General Condition" dated August 13, 2013, which must be included in all WPCRLF-funded construction contracts.

L. American Iron and Steel (WRRDA Section 5004):

The American Iron and Steel (AIS) requirement now applies to all contracts associated with projects funded in whole or in part with WPCRLF funds. This is effectively the same requirement applied to FY-2014 WPCRLF projects by the Consolidated Appropriations Act, 2014 (P.L. 113-76). WRRDA made this AIS requirement applicable for all future WPCRLF projects. For details on what "Iron and Steel" products are covered by this requirement, see the AIS guidance memorandum entitled "Implementation of American Iron and Steel provisions of P.L. 113-76, Consolidated Appropriations Act, 2014" issued by EPA Headquarters on March 20, 2014. The information provided therein should be helpful to Loan Recipients and Consultants in crafting bidding documents and ensuring compliance for a given project. Also, specific details regarding compliance with this requirement are provided in MDEQ's "Guidance For Water Pollution Control Revolving Loan Fund Projects Funded Beginning Federal FY 2016 (October 1, 2015 and After)."

M. Federal Procurement for Engineering Services (WRRDA Section 5002):

All WPCRLF-funded contracts for program management, construction management, feasibility studies, preliminary engineering, design, engineering, surveying, mapping, or architectural related services must now be negotiated in the same manner as a contract for architectural and engineering services is negotiated under 40 U.S.C. 1101 et seq. A corresponding Procurement Certification must be submitted with the loan application.

N. Cost and Effectiveness (WRRDA Section 5002):

All loan recipients must now certify, that they:

1. have studied and evaluated the cost and effectiveness of the processes, materials, techniques, and technologies for carrying out the proposed project or activity for which assistance is sought under this title; and

2. have selected, to the maximum extent practicable, a project or activity that maximizes the potential for efficient water use, reuse, recapture, and conservation, and energy conservation, taking into account:
(i) the cost of constructing the project or activity;
(ii) the cost of operating and maintaining the project or activity over the life of the project or activity; and
(iii) the cost of replacing the project or activity

The Cost and Effectiveness Certification must be submitted with the facilities plan in order for the plan to be considered "complete."

O. Additional Subsidy Funding/Affordability Criteria (WRRDA Section 5003):

Similar to the additional subsidy provision in the FY-2010 through FY-2014 CWSRF appropriations language, WRRDA included a provision allowing the states to provide a limited amount of "additional subsidization" each FY, but with more limitations than were included in prior years' appropriations language.

This provision also requires the establishment of "affordability criteria" to be used in determining additional subsidy eligibility; and, stipulates that the criteria must be "based on income and unemployment data, population trends, and other data determined relevant by the State, including whether the project or activity is to be carried out in an economically distressed area, as described in section 301 of the Public Works and Economic Development Act of 1965 (42 U.S.C. 3161)." Therefore, using these stipulations to build on the existing WPCRLF "Small/Low Income Community" subsidy criteria, MDEQ currently will use the following as the affordability criteria for subsidization made available through FY-2015 and subsequent capitalization grants:

1) The community must be a "Small/Low Income Community" with a population of 3,000 or less, and Median Household Income (MHI) of $30,000 or less.
2) If the community's population is confirmed to have been declining for the last three consecutive years, it will receive one "subsidy point."
3) If the community's unemployment rate is confirmed to have been increasing for the last three consecutive years, it will receive one "subsidy point."
4) If the project is confirmed to be in an economically distressed area (per Section 301 of 42 USC 3161), it will receive one "subsidy point."
5) The qualifying projects will be ranked for subsidization first based on highest to lowest number of "subsidy points," and then from lowest to highest MHI.

Subsidy funding details and conditions are further described in Section IV.D.1.

P. Signage (Non-statutory EPA Mandate):

EPA has begun requiring (as a condition of receiving future capitalization grants) that WPCRLF-funded projects include signage which details EPA's involvement in the project. Accordingly, Loan Recipient must now ensure that a project-specific EPA Public Awareness Notification (provided by MDEQ) is displayed on a bulletin board/sign in a prominent location at the project site for the duration of the contract. The Notification should also be displayed in other prominent locations (Loan Recipient's office, website, court house, library, etc.) accessible to the public. Specific details regarding this requirement are outlined in MDEQ's "Supplementary Information for Bidders" dated December 11, 2015, which must be included in all WPCRLF-funded construction contracts.

~~Appendix A~~

~~State of Mississippi WPCRLF Program~~
~~FFY 2016 Assumed Available Funds~~

~~The following breakdown of funds is based on the FY'16 Congressional appropriation for the National Title VI SRF Program. The loan repayments of the 2 MS Gulf Coast communities remaining in forbearance due to Hurricane Katrina have not been included in this breakdown of assumed funds.~~

~~FFY 2016 National Title VI SRF Appropriation Less the Rescission~~		~~$1,381,210,000.00~~
~~(+)~~	~~Mississippi Title VI SRF Allotment~~	~~$12,159,000.00~~
~~( )~~	~~Title VI SRF 604(b) Reserve (1% of allotment or $100,000 minimum)~~	~~$122,000.00~~
~~(=)~~	~~Assumed Total FFY'16 Title VI SRF Capitalization Grant~~	~~$12,037,000.00~~
~~(+)~~	~~Total State Match Required (20% of Total Title VI SRF Cap Grant)~~	~~$2,407,400.00~~
~~(=)~~	~~Total FY'16 Cap Grant & State Match Funds~~	~~$14,444,400.00~~
~~( )~~	~~FFY'16 SRF Administrative Reserve (4% of Cap Grant)~~	~~$481,480.00~~
~~(=)~~	~~FFY'16 Assumed SRF Funds (Cap Grant+Match Admin)~~	~~$13,962,920.00~~
~~( )~~	~~FFY'13 Pmt. #3 Cap Grant + State Match Deposited 1Q16~~	~~$4,056,942.00~~
~~(+)~~	~~FFY'14 Pmt. #1 Cap Grant + State Match Admin Deposited 1Q16~~	~~$487,126.00~~
~~(+)~~	~~FFY'14 Pmt. #2 Cap Grant + State Match Deposited 3Q16~~	~~$860,652.00~~
~~(+)~~	~~Total FFY'14 & '15 Cap Grant+State Match Admin Funds not Deposited[1]~~	~~$27,883,062.00~~
~~(=)~~	~~Total FFY'16 SRF Funds~~	~~$47,250,702.00~~
~~( )~~	~~FFY'14 Pmt. #3 Cap Grant + State Match Not Available~~	~~$13,305,342.00~~
~~( )~~	~~FFY'15 Pmt. #1 Cap Grant + State Match Admin Not Available~~	~~$14,577,720.00~~
~~( )~~	~~FFY'16 Pmt. #1 Cap Grant + State Match Admin Not Available~~	~~$13,962,920.00~~
~~(=)~~	~~Total Cap Grant Funds Available in FFY'16[2]~~	~~$5,404,720.00~~
~~( )~~	~~Balance Brought Forward from FFY'15~~	~~$26,673,169.01~~
~~( )~~	~~State Match Bond Debt Service Paid 10/01/15 thru 05/31/16~~	~~$539,380.51~~
~~( )~~	~~Anticipated State Match Bond Debt Service 06/01/16 thru 09/30/16[3]~~	~~$0.00~~
~~(+)~~	~~Interest Earned - Received 10/01/15 thru 06/30/16~~	~~$863,246.87~~
~~(+)~~	~~Anticipated Interest Earnings 07/01/16 thru 09/30/16~~	~~$0.00~~
~~(+)~~	~~Penalty Interest Rec'd (Lumberton/TCUD) 10/01/15 thru 09/30/16~~	~~$19,436.69~~
~~(+)~~	~~SRF Loan Repayments Received 10/01/15 thru 06/30/16~~	~~$21,271,615.56~~
~~(+)~~	~~Anticipated SRF Loan Repayments 07/01/16/thru 09/30/16[4]~~	~~$7,281,548.43~~
~~(+)~~	~~Anticipated SRF Loan Repayments 10/01/16 into October 2017[4]~~	~~$29,559,879.97~~
~~(+)~~	~~Base Loan Decreases Processed~~	~~$3,402,769.00~~
~~(+)~~	~~Subsidy Loan Decreases Processed~~	~~$35,250.00~~
~~(+)~~	~~Base Loan Decreases Anticipated~~	~~$0.00~~
~~(+)~~	~~Subsidy Loan Decreases Anticipated~~	~~$0.00~~
~~( )~~	~~Loan Increase Reserve~~	~~$0.00~~
~~( )~~	~~Subsidy Loan Increase Reserve~~	~~$0.00~~
~~( )~~	~~Subsidy Loan Increases Processed~~	~~$25,000.00~~
~~( )~~	~~Base Loan Increases Processed~~	~~$3,600,917.00~~
~~( )~~	~~Subsidy Loan Increases Anticipated~~	~~$0.00~~
~~( )~~	~~Base Loan Increases Anticipated~~	~~$0.00~~
~~(=)~~	~~Total Funds Available for FFY'16 Loan Awards~~	~~$37,000,000.00~~
~~( )~~	~~Funds Needed for Priority List Projects Proceeding~~	~~$32,300,000.00~~
~~( )~~	~~Funds Needed for Planning List Projects Proceeding~~	~~$4,700,000.00~~
~~( )~~	~~New WPCRLF FFY'16 Loans Awarded~~	~~$0.00~~
~~(=)~~	~~FFY'16 Funds Remaining~~	~~$0.00~~

~~[1] FY'14 Cap Grant Pmt. #3 $11,087,785+Match $2,217,557 = $13,305,342 plus FY'15 Cap Grant Pmt #1 $12,567,000+Match $2,513,400-Admin $502,680=$14,577,720 = Total $27,883,062 Not Deposited~~

~~[2] FY'13 Cap Grant Pmt #3 $3,380,785 + State Match $676,157 = $4,056,942 plus FY'14 Cap Grant Pmt. #1 $827,005+Match $165,401-Admin Res $505,280= $487,126 plus FY'14 Cap Grant #2 $717,210_Match $143,442=$860,652 = Grand Total $5,404,720.~~

~~[3] Based on payment schedules and estimates of interest~~

~~[4] Based on Repayment Projections dated 08/04/16 [5]~~

State of Mississippi WPCRLF Program
FFY 2015 End of Year Report

The following breakdown of funds is based on the revised FY'15 Congressional appropriation for the National Title VI SRF Program due to a 0.66% rescission, and the FY'15 IUP adopted 08/27/15. The loan repayments of the 2 MS Gulf Coast communities remaining in forbearance due to Hurricane Katrina have not been included in this breakdown of assumed funds.

	FFY 2015 National Title VI SRF Appropriation	$1,439,386,731.11
(+)	Mississippi Title VI SRF Allotment	$12,694,000.00
(-)	Title VI SRF 604(b) Reserve (1% of allotment or $100,000 minimum)	-$127,000.00
(=)	Total FFY'15 Title VI SRF Capitalization Grant	$12,567,000.00
(+)	Total State Match Required (20% of Total Title VI SRF Cap Grant)	$2,513,400.00
(=)	Total FY'15 SRF & State Match Funds	$15,080,400.00
(-)	FFY'15 SRF Administrative Reserve (4% of Cap Grant)	-$502,680.00
(=)	FFY'15 SRF Funds	$14,577,720.00
(+)	Total FFY'13 & '14 Cap Grant+State Match Funds not Deposited[1]	$18,710,062.00
(=)	Total FFY'15 SRF Funds Not Deposited	$33,287,782.00
(-)	FFY'14 Pmt. #2 Cap Grant + State Match Not Available	-$14,165,994.00
(-)	FFY'15 Pmt. #1 Cap Grant + State Match Not Available	-$14,577,720.00
(=)	FFY'13 Pmt#3 & FFY'14 Pmt. #1 Available but not Deposited[2]	$4,544,068.00
(+)	Payment Schedule #2 of FFY'13 Cap Grant + Match Deposited[3]	$6,060,366.00
(-)	Balance Brought Forward from FFY'14	-$44,133,142.83
(-)	State Match Bond Debt Service Paid 10/01/14 thru 09/30/15	-$997,794.19
(+)	Interest Earned 10/01/14 thru 09/30/15[4]	$998,635.05
(+)	SRF Loan Repayments Received 10/01/14/thru 09/30/15	$27,630,540.96
(+)	Anticipated SRF Loan Repayments 10/01/15 into Sept. 2016[5]	$26,673,169.01
(+)	Brooklyn USD Loan 758-01 Terminated 09/30/15	$410,000.00
(+)	Base Loan Decreases Processed	$2,798,198.00
(+)	Subsidy Loan Decreases Processed	$122,867.00
(-)	Subsidy Loan Increases Processed	-$429,246.00
(-)	Base Loan Increases Processed	-$2,304,684.00
(=)	Total Funds Available for FFY'15 Loan Awards	$21,372,977.00
(-)	FFY'13 Pmt. #3 & FFY'14 Pmt. #1 Not Deposited	-$4,544,068.00
(=)	Balance Available Including Anticipated Repayments into 4Q'16	$16,828,909.00
(-)	New WPCRLF FFY'15 Loans Awarded	-$16,828,909.00
(=)	FFY'15 Ending Balance Including Anticipated Repayments	$0.00
(=)	Total Funds Available for FFY'15 New Loan Awards	$16,828,909.00
(-)	New WPCRLF FFY'15 Loans Awarded	-$16,828,909.00
(-)	Anticipated SRF Loan Repayments 10/01/15 into 09/16	-$26,673,169.01
(=)	Total Amount of Future Repayments Obligated at Year End	-$26,673,169.01

[1] FY'13 Cap Grant Pmt #3 $3,380,785 + State Match $676,157 = $4,056,942 plus FY'14 Cap Grant Pmt. #1 $827,005+Match $165,401-Admin Res $505,280= $487,126 plus FY'14 Cap Grant Pmt. #2 $11,804,995+Match $2,360,999= $14,165,994 = Total $18,710,062

[2] FY'13 Cap Grant Pmt #3 $3,380,785 + State Match $676,157 = $4,056,942 plus FY'14 Cap Grant Pmt. #1 $827,005+Match $165,401-Admin Res $505,280= $487,126 = Total $4,544,068

[3] FY'13 Cap Grant Pmt #2 $5,050,305 + State Match $1,010,061 = $6,060,366 Deposited after Schedule Revision approved in 2nd Q'15. Subsidy of $356,836 obligated in FY'14.

[4] .No interest earnings were received for July, August & September 2015 due to problems with the state MAGIC accounting system.

[5] Based on Repayment Projections dated September 30, 2015.

Appendix A (Cont.)

WATER POLLUTION CONTROL (CLEAN WATER) REVOLVING LOAN FUND PROGRAM

ASSUMED AVAILABLE STATE MATCH FUNDS (FY 13 Through FY 16)

[The State Match History From Program Inception (FY 89) Through FY 12 Is Available on the MDEQ Webpage at www.deq.state.ms.us. Follow the links for "Office of Pollution Control/Surface Water Division", "Construction Branch", and "Water Pollution Control Revolving Loan Fund Program"]

SRF Cap. Grant	Cap. Grant Payment Schedule Quarter	Cap. Grant Payment Schedule Amount	Total Required 20% State Match Deposit	Interest Earnings of State Match Fund	Deposit From WPA** Repayments	Deposits From State *** Appropriations
FY 13	1Q FY 14 (No. 1 of 3)	–(87)$ 3,596,910	*$ 719,382	$ 0	N/A	$ 719,382
FY 13	1Q FY 15 (No. 2 of 3)	–(88)$ 5,050,305	*$ 1,010,061	$ 0	N/A	$ 1,010,061
FY 13	4Q FY 15 (No. 3 of 3)	–(89)$ 3,380,785	*$ 676,157	$ 0	N/A	$ 676,157
Total		$ 12,028,000	$ 2,405,600	$ 0	N/A	$ 2,405,600

SRF Cap. Grant	Cap. Grant Payment Schedule Quarter	Cap. Grant Payment Schedule Amount	Total Required 20% State Match Deposit	Interest Earnings on State Match Fund	Deposit From WPA** Repayments	Deposits From State *** Appropriations
FY 14	4Q FY 15 (No. 1 of 3)	(90)$ 827,005	*$ 165,401	$ 0	N/A	$ 165,401
FY 14	3Q FY 16 (No. 2 of 3)	(91)$ 717,210	$ 143,442	$ 0	N/A	$ 143,442
FY 14	4Q FY 16 (No. 3 of 3)	(92)$ 11,087,785	$ 2,217,557	$ 0	N/A	$ 2,217,557
Total		$12,632,000	$ 2,526,400	$ 0	N/A	$ 2,526,400

Appendix A (Cont.)
WATER POLLUTION CONTROL (CLEAN WATER) REVOLVING LOAN FUND PROGRAM
ASSUMED AVAILABLE STATE MATCH FUNDS

SRF Cap. Grant	Cap. Grant Payment Schedule Quarter	Cap. Grant Payment Schedule Amount	Total Required 20% State Match Deposit	Interest Earnings on State Match Fund	Deposit From WPA** Repayments	Deposits From State *** Appropriations
FY-15	4Q FY-16 (No. 1 of 2)	[93]$ 812,215	$ 162,443	$ 0	N/A	$ 162,443
FY-15	4Q FY-17 (No. 2 of 2)	[94]$ 11,754,785	$ 2,350,957	$ 0	N/A	$ 2,350,957
Total		$ 12,567,000	$ 2,513,400	$ 0	N/A	$ 2,513,400

SRF Cap. Grant	Cap. Grant Payment Schedule Quarter	Cap. Grant Payment Schedule Amount	Total Required 20% State Match Deposit	Interest Earnings on State Match Fund	Deposit From WPA** Repayments	Deposits From State *** Appropriations
FY-16	4Q FY-18 (No. 1 of 1)	[95]$ 12,037,000	$ 2,407,400	$ 0	N/A	$ 2,407,400
Total		$ 12,307,000	$ 2,407,400	$ 0	N/A	$ 2,407,400

* – Deposits of this amount or greater were actually made as of 04/08/16.

** – The Water Pollution Abatement Loan Program, which was entirely state funded. Repayments from this loan program are appropriated by the State Legislature each Legislative Session for use as state matching funds for the WPCRLF program.

*** – During the spring 2013 legislative session, the Legislature provided bonding authority for $1,000,000 in general obligation bonds to be used for state match funds. These bonds were sold on December 3, 2013, and the net bond proceeds of $1,000,000 were deposited into the WPCRLF in the 1st quarter of FFY-14. These bond proceeds were used to match the remainder of the FY-12 capitalization grant and provide$719,382 in match money for the FY-13,

capitalization grant. During the Spring 2014 legislative session, the Legislature provided a direct appropriation of $1,000,000 to be used for state match funds. These appropriated funds were used to match an additional $5,000,000 of the FY-13 capitalization grant. During the Spring 2015 legislative session, the Legislature provided a direct appropriation of $1,000,000 to be used for state match funds. However, due to a State Capital Expense Fund shortfall, $80,583 of that amount was rescinded, and another $77,859 may be rescinded if an upcoming ballot initiative (Initiative 42/MAEP) passes. Therefore, only $841,558 of the $1,000,000 appropriation can currently be counted as match. These appropriated funds are being used to match the remaining $3,380,785 of the FY-13 capitalization grant, and $827,005 of the FY-14 capitalization grant. The ballot initiative did not pass, and the Legislature restored $65,583 of the rescission in the 3rd Quarter of FY-16, resulting in an additional $143,442 available for match. During the Spring 2016 legislative session, the Legislature provided a direct appropriation of $2,380,000 to be used for state match funds, which were used to match the remainder of the FY-14 capitalization grant, and a portion or the FY-15 capitalization grant.

(87) The FY-2013 Federal payment schedule $ that can be matched with $719,382 in proceeds from the sale of $1,000,000 in general obligation bonds authorized by the State Legislature during the Spring 2013 Legislative session.

(88) The FY-2013 Federal payment schedule $ that can be matched with the remaining $10,062 in proceeds from the sale of $1,000,000 in general obligation bonds authorized by the State Legislature during the Spring 2013 Legislative session, and with $1,000,000 of direct appropriation authorized by the State Legislature during the Spring 2014 Legislative session.

(89) The remainder of the FY-2013 Federal payment schedule $ that can be matched with $676,157 of the $1,000,000 of direct appropriation authorized by the State Legislature during the Spring 2015 Legislative session.

(90) The FY-2014 Federal payment schedule $ that can be matched with the $165,401 of the $1,000,000 direct appropriation authorized by the State Legislature during the Spring 2015 Legislative session. (Note, due to a "budget shortfall" in the State Capital Expense Fund, $80,583 of that appropriation was not received. Also, there is a potential for that appropriation to be reduced by another $77,859 if an upcoming ballot initiative (Initiative 42/MAEP) passes. Therefore, the resulting total of $158,442 has been deducted from the 2015 $1,000,000 appropriation, and only $841,558 has currently been counted as match.)

(91) The FY-2014 Federal payment schedule $ that can be matched with the $143,442 of the $1,000,000 direct appropriation authorized by the State Legislature during the Spring 2015 Legislative session. (Note, $77,859 is related to the ballot initiation described above, which did not pass, and the Legislature restored $65,583 of the rescission in the 3rd Quarter of FY-16.)

(92) The remainder of the FY-2014 Federal payment schedule $ that can be matched with $2,217,557 of the $2,380,000 of direct appropriation authorized by the State Legislature during the Spring 2015 Legislative session.

(93) The FY-2015 Federal payment schedule $ that can be matched with the remaining $162,443 of the $2,380,000 direct appropriation authorized by the State Legislature during the Spring 2015 Legislative session.

(94) The remainder of the FY-2015 Federal payment schedule $ that can be matched with $2,350,957 in proceeds from the sale of general obligation bonds to be requested during the Spring 2017 Legislative session.

(95) The FY-2016 Federal payment schedule $ that can be matched with $2,407,400 in proceeds from the sale of general obligation bonds to be requested during the Spring 2017 Legislative session.

Appendix B

Water Pollution Control (Clean Water) Revolving Loan Fund Program
Projected Schedule of Outlays ($ Millions)

Projects	1Q FY-17	2Q FY-17	3Q FY-17	4Q FY-17	1Q FY-18	2Q FY-18	3Q FY-18	4Q FY-18	1Q FY-19	2Q FY-19	Totals
City of Wiggins	$220,000	$220,000	$385,000	$385,000	$385,000	$385,000	$220,000	$ 0	$ 0	$ 0	$ 2,200,000
City of Brandon	$480,000	$560,000	$560,000	$560,000	$240,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 2,400,000
City of Wiggins	$190,000	$190,000	$332,500	$332,500	$332,500	$332,500	$190,000	$ 0	$ 0	$ 0	$ 1,900,000
West Rankin Utility Authority	$990,000	$1,140,000	$1,140,000	$1,140,000	$1,140,000	$1,140,000	$1,140,000	$1,080,000	$990,000	$ 0	$ 9,900,000
Pearl River County Utility Authority	$610,000	$610,000	$610,000	$610,000	$610,000	$610,000	$610,000	$610,000	$610,000	$610,000	$ 6,100,000
City of Waveland	$770,000	$ 0	$770,000	$1,400,000	$1,400,000	$1,400,000	$1,190,000	$770,000	$ 0	$ 0	$ 7,700,000
Town of Friars Point	$420,000	$367,500	$367,500	$367,500	$367,500	$210,000	$ 0	$ 0	$ 0	$ 0	$ 2,100,000
West Jackson County Utility District (Catch-up Project)	$940,000	$822,500	$822,500	$822,500	$822,500	$470,000	$ 0	$ 0	$ 0	$ 0	$ 4,700,000
Program Admin.	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
Total	$4,620,000	$3,910,000	$4,987,500	$5,617,500	$5,297,500	$4,547,500	$3,350,000	$2,460,000	$1,600,000	$610,000	$37,000,000
FY-14 State Match (6.4%)	$770,000	$651,667	$831,250	$108,083	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$2,361,000
Federal FY-14 Cap Grant (31.9%)	$3,850,000	$3,258,333	$4,156,250	$540,412	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$11,804,995
FY-15 State Match (6.8%)	$ 0	$ 0	$ 0	$828,167	$882,917	$757,917	$44,399	$ 0	$ 0	$ 0	$2,513,400
Federal FY-15 Cap Grant (34.0%)	$ 0	$ 0	$ 0	$4,140,838	$4,414,583	$3,789,583	$221,996	$ 0	$ 0	$ 0	$12,567,000
FY-16 State Match (2.1%)	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$410,000	$266,667	$101,667	$778,334
Federal FY-16 Cap Grant (10.5%)	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$2,050,000	$1,333,333	$508,333	$3,891,666
$ Other* (8.3%)	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$3,083,605	$ 0	$ 0	$ 0	$3,083,605

* Other funds include state match, repayments, interest earnings, and net loan amendments.

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GUIDANCE FOR WATER POLLUTION CONTROL REVOLVING LOAN FUND PROJECTS FUNDED BEGINNING FEDERAL FY 2016 (OCTOBER 1, 2015 AND AFTER)

Mississippi Department of Environmental Quality
Office of Pollution Control
Surface Water Division
Construction Branch

December 11, 2015

This document contains guidance for compliance with funding requirements from the FY 2016 Water Pollution Control Revolving Loan Fund (WPCRLF) Intended Use Plan (IUP) that differ from or are in addition to those of the WPCRLF Regulations for Projects Funded on and After December 19, 2004. Some of these requirements arise from the Water Resources Reform and Redevelopment Act of 2014, P.L. 113-121 (WRRDA) while others are cross-cutting federal authorities which have returned due to near exhaustion of banked cross-cutter compliance.

This guidance is based upon the best known information available as of the date above. However, it is possible that additional federal guidance will be issued, and this guidance is therefore subject to change accordingly.

As a project proceeds through the program, the Mississippi Department of Environmental Quality (MDEQ) Project Manager will document compliance with these requirements in the Checklist for WPCRLF Projects Funded Beginning FY 2016.

I. FACILITIES PLANNING

A. Endangered Species Act, Fish and Wildlife Coordination Act, Migratory Bird Treaty Act, and (only for projects located in Jackson, Harrison, and Hancock Counties) Coastal Barrier Resources Act (Cross-Cutters)

The Loan Recipient/Consultant must submit a map and description of the proposed project to the U.S. Fish & Wildlife Service (USFWS), Mississippi Ecological Services Field Office, Attention: Mr. David Felder, 6578 Dogwood View Parkway, Suite A, Jackson, MS 39213 (Phone: 601-965-4900). The USFWS's comments must be included in the facilities plan. If the USFWS requires further action (e.g. a vegetative/wildlife survey), such action should be taken and the resulting information submitted to the USFWS as soon as possible. (Also see Section II.B, below.)

B. Sole Source Aquifer (Cross-Cutter)

(Only applies to projects located in the Southern Hills Regional Aquifer System which is the area between the Mississippi and Pearl Rivers from and including Warren and Hinds Counties all the way south to the Louisiana State Line. See http://www.epa.gov/region4/water/groundwater/r4ssa.html.) The Loan Recipient/Consultant must submit a map and description of the proposed project to the USEPA Region IV, Grants and Drinking Water Protection Branch, Attention: Mr. Larry Cole, 61 Forsythe Street Southwest, Atlanta GA 30303 (Phone: 404-562-9474). The EPA's comments must be included in the facilities plan. Generally, if best management practices are implemented to protect groundwater, there will be no adverse comments.

C. Farmland Protection Policy Act (FPPA; Cross-Cutter)

The MDEQ Project Manager will complete this review in accordance with the FY 2015 Operating Procedure for FPPA. Once complete, copies of the compliance documentation will be provided to the Loan Recipient/ Consultant for their planning files.

D. Environmental Review {WRRDA Section 5002(1)}: In order for the project to comply with 40CFR35.3140(b) {Tier 1 NEPA-like review}, the following will be required:

1. Referring to the Facilities Plan Checklist (NPELF20 dated August 30, 2013), Section VI.C, the comparative evaluation of alternatives must also include any sensitive environmental issues that are identified during management of the project or through public participation. All other provisions of Section VI of the Facilities Plan Checklist still apply.

2. Referring to the Facilities Plan Checklist (NPELF20 dated August 30, 2013), Sections VIII.B and VIII.C no longer apply. Instead, a public hearing must be held for ALL projects. Topics to be discussed at the hearing include the facilities to be built, why they are needed, where they will be built, how much they will cost, the average monthly user charge, and the environmental

impact. The facilities plan must include proof that notice of the hearing was published in a newspaper of general circulation in the project area at least 30 days prior to the hearing date. The plan must also include minutes from the hearing, including any public comments. All other provisions of Section VIII of the Facilities Plan Checklist still apply.

When the facilities plan is complete, the MDEQ Project Manager will prepare the environmental document for the project in accordance with the FY 2015 Operating Procedure for Environmental Review.

E. Cost and Effectiveness {WRRDA Section 5002(4)}

The Cost and Effectiveness Certification (Attachment 7, PWFC96) must be submitted, confirming that, during development of the facilities plan, the Loan Recipient has studied and evaluated the cost and effectiveness of the processes, materials, techniques, and technologies for carrying out the proposed project or activity for which assistance is sought under this title; and has selected, to the maximum extent practicable, a project or activity that maximizes the potential for efficient water use, reuse, recapture, and conservation, and energy conservation, taking into account (i) the cost of constructing the project or activity; (ii) the cost of operating and maintaining the project or activity over the life of the project or activity; and (iii) the cost of replacing the project or activity.
NOTE: An otherwise complete facilities plan submittal will not be considered "complete" for the purposes of meeting the deadline for Priority List ranking until the Cost and Effectiveness Certification is submitted.

II. LOAN APPLICATION

A. Fiscal Sustainability Plan {WRRDA Section 5003(2)}

The Fiscal Sustainability Plan (FSP) Certification (Attachment 1, PWFC94) must be submitted, indicating that the Loan Recipient has either developed and implemented an FSP or will do so and submit a positive certification by 90% construction completion. (Also see Section V.B, below.)

B. Fish and Wildlife Coordination Act, Migratory Bird Treaty Act, and (only for projects located in Jackson, Harrison, and Hancock Counties) Coastal Barrier Resources Act (Cross-Cutters)

The clearance letter from the USFWS must be submitted to MDEQ.

C. Generally Accepted Accounting Principles (GAAP)/Governmental Accounting Standards Board (GASB) {WRRDA Section 5002}

The GAAP Certification (Attachment 2, PWFC95) must be submitted, indicating that the Loan Recipient will maintain project accounts in accordance with generally accepted government accounting standards, including standards related to the reporting of infrastructure assets.

D. Useful Life {WRRDA Section 5003(2)}

The MDEQ Project Manager will file a copy of Tony Caldwell's May 14, 2015, useful life determination memo in the Loan Application File.

E. Federal Procurement for A/E Services {WRRDA Section 5002(4)}

The Federal/State Procurement Certification (Attachment 8, PWFC74) must be submitted (instead of the standard NPELF74 Procurement Certification), confirming that the Loan Recipient has procured all contracts for program management, construction management, feasibility studies, preliminary engineering, design, engineering, surveying, mapping, or A/E services as defined in 40 U.S.C. 1102(2)(A-C), in accordance with the applicable requirements of 40 U.S.C. 1101 *et seq.*, and has procured all other contracts for professional services or construction equipment or supplies in accordance with state public purchasing law.

III. LAND ACQUISITION

Uniform Relocation Assistance and Real Property Acquisition Policies Act (Cross-Cutter)

The Loan Recipient must comply with the Uniform Act's implementing regulations at 49CFR24.101 through 24.105, and the Loan Recipient and Title Counsel must submit the attached Limited (Attachment 3) and Clear (Attachment 4) Site Certificates for Projects Funded Beginning FY 2015 (instead of NPELF71 and NPELF73) by the date specified in the loan agreement. Note that there are no Limited Site Certificates for projects including eligible land as no such projects are expected to proceed toward an FY 2016 loan award. If a given project will include eligible land, the Loan Recipient/Consultant should contact MDEQ regarding development of appropriate certificates.

The MDEQ Program Support Officer will use the Site Certificates for Projects Funded Beginning FY 2015 with his land acquisition reminder letter per Item No. 1 of the Real Property Acquisition Standard Operating Procedure (NPEP3) dated January 30, 2012.

The MDEQ Project Manager will use the Site Certificates for Projects Funded Beginning FY 2015 with his site certificate reminder letters per Item No. B.2 of the Management of Project Schedules Standard Operating Procedure (NPEP35) dated August 11, 2008.

IV. DESIGN

All construction contracts must include MDEQ's Supplementary Information for Bidders dated December 11, 2015 (Attachment 5) verbatim in order to comply with the following requirements:

A. Executive Order 12549-Debarment and Suspension (Cross-Cutter)

B. Executive Order 11246-Equal Employment Opportunity (Cross-Cutter)

C. American Iron and Steel (WRRDA Section 5004)

For details on what American Iron and Steel (AIS) products are covered by this requirement, see the AIS guidance memorandum entitled "Implementation of American Iron and Steel provisions of P.L. 113-76, Consolidated Appropriations Act, 2014" issued by EPA Headquarters on March 20, 2014. The information provided therein should be helpful to Loan Recipients and Consultants in crafting bidding documents and ensuring compliance for a given project. The Loan Recipient has the ultimate responsibility for compliance with the AIS requirement. Legal counsel should be sought as necessary.

There are basically four ways to comply: 1) Ensure and document that all of the iron and steel products used **in** the project are produced in the U.S., 2) Request and be granted an individual item/project waiver from EPA for foreign produced items, 3) Comply and document conformance with an existing categorical/nationwide waiver, or 4) (This is not applicable for any Mississippi WPCRLF Loan Recipients) Where a Loan Recipient has a direct international agreement with a foreign country with which the AIS clause conflicts, there are some very complicated exceptions.

A waiver can be based on a) the public interest, b) insufficient quality/quantity, or c) 25% total project (not item or contract) cost increase. Public interest waivers are expected to be nationwide, whereas the others are expected to be project/item specific.

On the basis of public interest, EPA Headquarters has issued a nationwide waiver for *de minimis* incidental components. These are miscellaneous, generally low-cost components where the country of origin and availability of alternatives are not readily or reasonably identifiable prior to procurement in the normal course of business. This waiver covers situations where the cost of such items is no more than 5% of the total cost of materials (not labor, rentals, etc.) used in and incorporated into the project (not the total contract cost) and no individual item exceeds 1% of the total cost of materials.

Additional documentation requirements apply if a waiver is being requested after the contract is executed; this is strongly discouraged.

Given the extensive documentation involved, the number of people involved, and the fact that these waivers are going to be reviewed for nationwide consistency and published on the EPA Headquarters website, one might expect that relatively few individual waivers will be issued.

Individual waiver requests must be submitted to MDEQ. The required content of such a request is described in the checklist included in Appendix 1 of EPA's AIS guidance memorandum. In order to expedite processing, all waiver requests submitted to MDEQ must be accompanied by a copy of the checklist which has

been completed and notated to clearly identify where in the waiver request documents each specific checklist item is addressed. Once determined complete by MDEQ, the request will be sent to cwsrfwaiver@epa.gov with a copy to EPA Region IV.

The EPA AIS guidance memorandum, questions and answers, issued waivers, and other relevant information are available at:
http://water.epa.gov/grants_funding/aisrequirement.cfm

During design and bidding, good faith efforts must be made to identify and use domestic products. Contractors and suppliers should be contacted to determine availability and cost. If a specification is so strict as to rule out a domestic product, there must be strong justification and a waiver will be required.

Although unlikely, where the total project (not item or contract) cost might overrun 25% or more due to AIS requirements, an alternate bid for foreign products could be solicited as documentation to support a waiver request.

EPA is expecting that the construction contract documents will make compliance with this requirement a matter of bidder responsiveness and/or responsibility and/or a factor in determining the best bid, with significant penalty for noncompliance. The bidder is expected to provide domestic products and documentation to verify compliance where possible. Otherwise, the bidder is expected to provide complete, timely information necessary to demonstrate qualification for an existing nationwide waiver (e.g., *de minimis*) or such documentation necessary for the Loan Recipient to apply for an individual waiver.

In order to avoid delays and other issues associated with a potential bid protest, the information for bidders should be very clear regarding the method of award in cases where alternate bids are used and/or a waiver request is anticipated.

The project cannot be split up to use non-WPCRLF funds on a portion of a project in order to avoid the AIS requirement for that portion.

The AIS requirement should be discussed at a (perhaps mandatory) pre-bid meeting.

D. EPA Public Awareness Notification {Non-statutory EPA Mandate}: A project-specific EPA Public Awareness Notification (See Attachment 9 for the generic Notification, PWFC97) must be displayed on a bulletin board/sign in a prominent location at the project site for the duration of the contract, and should also be displayed in other prominent locations (Loan Recipient's office, website, court house, library, etc.) accessible to the public. The MDEQ Project Manager will provide electronic copies of the project-specific EPA Public Awareness Notification, for the Loan Recipient/consulting engineer to include in the contract documents immediately following Section D. of the Supplementary Information for Bidders. (Also see Section V.C, below.)

V. CONSTRUCTION

A. American Iron and Steel (WRRDA Section 5004)

1. For each construction contract, the MDEQ Project Manager will remind the Loan Recipient/Consultant of the AIS requirements herein at the time the executed construction contract documents are accepted by MDEQ per the Executed Contract Documents Standard Operating Procedure (NPEP29) dated July 29, 2013.

2. Manufacturer Certification: EPA recommends the use of a step certification process, similar to one used by the Federal Highway Administration. The step certification process is a method to ensure that producers adhere to the AIS requirement and Loan Recipients can verify that products comply with the AIS requirement. The process also establishes accountability and better enables States to take enforcement actions against violators.

   Step certification creates a paper trail which documents the location of the manufacturing process involved with the production of steel and iron materials. A step certification is a process under which each handler (supplier, fabricator, manufacturer, processor, etc.) of the iron and steel products certifies that their step in the process was domestically performed. Each time a step in the manufacturing process takes place, the manufacturer delivers its work along with a certification of its origin. A certification can be quite simple. Typically, it includes the name of the manufacturer, the location of the manufacturing facility where the product or process took place (not its headquarters), a description of the product or item being delivered, and a signature by a manufacturer's responsible party. EPA's sample certification is in Attachment 6. These certifications should be collected and maintained by the Loan Recipient.

   Alternatively, the final manufacturer that delivers the iron or steel product to the worksite, vendor, or contractor, may provide a certification asserting that all manufacturing processes occurred in the US. While this type of certification may be acceptable, it may not provide the same degree of assurance. Additional documentation may be needed if the certification is lacking important information. Step certification is the best practice.

3. *De Minimis* Items: To comply with this waiver (see Section IV.C above), throughout construction the Loan Recipient must maintain all relevant materials invoices. For each construction contract, the Loan Recipient must keep a running total of all material types and costs and those that fall under the waiver and must include this information in a report with calculations that demonstrate that the total cost of *de minimis* items falls under the 5% of total material cost threshold and that individual item cost falls under the 1% of total material cost threshold.

4. MDEQ Site Visits: During periodic site visits, the MDEQ Project Manager will discuss the AIS compliance status with the Loan Recipient and Consultant including the status of any waivers, *de minimis* reports,

manufacturer's certifications, etc. **If noncompliance is noted, Project Manager will inform Loan Recipient/Consultant that item must be removed/replaced (with other than WPCRLF funds); otherwise, entire project may be declared non-WPCRLF eligible, and immediate repayment of all project-related WPCRLF funds may be required.** Project Manager will also discuss with Engineering Coordinator and Branch Chief regarding how to proceed.

B. Fiscal Sustainability Plan {WRRDA Section 5003(2)}

If not done prior to loan award per Section II.A above, then, by 90% construction completion, the Loan Recipient must submit a positive FSP Certification (Attachment 1, PWFC94) indicating that they have developed and implemented their FSP.

C. EPA Public Awareness Notification {Non-statutory EPA Mandate}

The Loan Recipient must ensure that each contractor displays the EPA Public Awareness Notification on a bulletin board/sign in a prominent location at the project site for the duration of the contract. The Loan Recipient should also display the Notification in other prominent locations (Loan Recipient's office, court house, library, etc.) accessible to the public. The MDEQ Project Manager will verify that the Notification is properly displayed during construction observations. (Also see Section IV.D, above.)

VI. CLOSEOUT

A. American Iron and Steel (WRRDA Section 5004): The Loan Recipient must submit the final *de minimis* report (see Section IV.C above) to MDEQ within 30 days after the final construction observation *for each construction contract*.

B. After receipt of the final AIS *de minimis* report for the last construction contract, the MDEQ Project Manager will ensure that the Checklist for WPCRLF Projects Funded Beginning FY 2016 is fully completed and file it in the Project Closeout file.

ATTACHMENT 1
FISCAL SUSTAINABILITY PLAN CERTIFICATION
(PWFC94)

FISCAL SUSTAINABILITY PLAN CERTIFICATION

Loan Applicant/Recipient: _____

Loan Number: SRF-C280_____

We (the undersigned Authorized Representative and consulting engineer) do hereby certify as follows with regard to the Water Pollution Control Revolving Loan Fund (hereinafter "WPCRLF") project identified above:

[CHECK THE APPROPRIATE BLANK BELOW]

_____ We certify that by the date that represents 90% of construction completion, the Loan Applicant/Recipient will develop and implement a Fiscal Sustainability Plan that includes:

(I) an inventory of critical assets that are a part of the treatment works;
(II) an evaluation of the condition and performance of inventoried assets or asset groupings;
(III) a certification that the recipient has evaluated and will be implementing water and energy conservation efforts as part of the plan; and
(IV) a plan for maintaining, repairing, and, as necessary, replacing the treatment works and a plan for funding such activities; or

_____ We certify that the Loan Applicant/Recipient has developed and implemented a Fiscal Sustainability Plan that includes the elements described in Items I through IV, above.

We understand that this Fiscal Sustainability Plan Certification (hereinafter "Certification") is a material representation of fact upon which reliance is placed by the Mississippi Department of Environmental Quality (hereinafter "MDEQ") regarding state financial assistance under Section 49-17-81 through 89, Mississippi Code of 1972, as amended (Water Pollution Control Revolving Fund and Emergency Loan Fund Act) to construct the water pollution control project identified above.

We understand that we shall immediately provide written notice to the MDEQ if at any time we learn that this Certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

We understand that we must maintain all documents, papers, and records regarding the Fiscal Sustainability Plan and that any duly authorized representative of the MDEQ and/or EPA has a right of access to any such documents, papers and/or record for purposes of review, audit, examination, excerpts, and transcriptions.

We understand that MDEQ may report violations and/or suspected violations to the appropriate state and/or federal authorities in accordance with applicable state law and regulations and/or applicable federal law and regulations and/or as determined appropriate by MDEQ.

We understand that if MDEQ discovers that any of the Fiscal Sustainability Plan requirements were violated or that the Loan Applicant/Recipient rendered an erroneous Certification, in addition to all other remedies available, the Executive Director, or his/her designee, may determine that the related costs are unallowable and may require immediate repayment of all WPCRLF funds paid for such costs, in accordance with Rule 7.3.H.(6) of the WPCRLF Program Regulations.

As the Loan Applicant's/Recipient's Authorized Representative, I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, and based on my inquiry of those individuals immediately responsible for obtaining the information, believe the submitted information is true, accurate and complete.

_____	_____
Authorized Representative (Signature)	Consulting Engineer (Signature)
_____	_____
Printed Name	Printed Name
_____	_____
Date	Date

ATTACHMENT 2
GENERALLY ACCEPTED ACCOUNTING PRINCIPLES CERTIFICATION
(PWFC95)

GENERALLY ACCEPTED ACCOUNTING PRINCIPLES CERTIFICATION

Loan Applicant/Recipient: _____

Loan Number: SRF-C280_____

We (the undersigned Authorized Representative and City Clerk/Town Clerk/Chief Financial Officer) do hereby certify that the Loan Applicant/Recipient will maintain project accounts for the Water Pollution Control Revolving Loan Fund project identified above in accordance with Generally Accepted Accounting Principles (hereinafter "GAAP"), including standards relating to the reporting of infrastructure assets.

We understand that this GAAP Certification (hereinafter "Certification") is a material representation of fact upon which reliance is placed by the Mississippi Department of Environmental Quality (hereinafter "MDEQ") regarding state financial assistance under Section 49-17-81 through 89, Mississippi Code of 1972, as amended (Water Pollution Control Revolving Fund and Emergency Loan Fund Act) to construct the water pollution control project identified above.

We understand that we shall immediately provide written notice to the MDEQ if at any time we learn that this Certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

As the Loan Applicant's/Recipient's Authorized Representative, I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, and based on my inquiry of those individuals immediately responsible for obtaining the information, believe the submitted information is true, accurate and complete.

_____	_____
Authorized Representative (Signature)	City Clerk/Town Clerk/Chief Financial Officer (Signature)
_____	_____
Printed Name	Printed Name
_____	_____
Date	Date

ATTACHMENT 3
LIMITED SITE CERTIFICATES

Limited Site Certification
WPCRLF PROJECTS FUNDED BEGINNING FY 2015

(For Projects That Have No Eligible Land In the Loan Scope)

Loan Recipient

Project No. SRF-C280_____

As Authorized Representative of the _____ (Loan Recipient), I do hereby certify that, regarding the referenced project (as described in the loan agreement):

1. The Loan Recipient has acquired or will acquire all new real property (including permanent easements and rights-of-way, except temporary construction easements) required for all elements (construction, operation, and maintenance) of the project in accordance with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 as Amended.

2. The Loan Recipient has secured bona fide options to purchase or has initiated condemnation proceedings (by filing such action in court) for all or part of the required real property, permanent easements, and rights-of-way; and any remaining required property, permanent easements, and rights-of-way have been acquired by fee simple title, twenty (or more) year lease, or other such estate or interest.

3. The Loan Recipient has acquired or will acquire all required temporary construction easements in accordance with applicable state law and local ordinances.

I understand that I shall immediately provide written notice to MDEQ if at any time I learn that this Certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete.

_____ _____

Authorized Representative (Signature) Date

_____

Printed Name

Limited Site Certification
WPCRLF PROJECTS FUNDED BEGINNING FY 2015

(For Projects That Have No Eligible Land In the Loan Scope)

Title Counsel

Project No. SRF-C280

As Title Counsel representing the _____ (Loan Recipient), I do hereby certify that, regarding the reference project (as described in the loan agreement):

1. I have investigated and ascertained the location(s) of, and am familiar with, the legal description(s) of the site(s) (including easements and rights-of-way) required for all elements (construction, operation, and maintenance) of the project.

2. I have examined the deed records of the county or counties in which the project is to be located, and in my opinion the Loan Recipient has a legal and valid fee simple title, twenty (or more) year lease, or such other estate or interest in the site(s) sufficient to assure undisturbed use and possession throughout the estimated life of the project, except for those site(s) described on the attached sheet(s) for which the Loan Recipient has secured bona fide options to purchase or has initiated condemnation proceedings (by filing such action in court).

3. All deeds and/or other documents required to protect the title and the interest of the Loan Recipient have been duly recorded and filed for record wherever necessary, except for those site(s) described on the attached sheet(s).

I understand that I shall immediately provide written notice to MDEQ if at any time I learn that this Certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, and that it is true, accurate and complete.

_____ _____

Title Counsel (Signature) Date

_____

Printed Name

ATTACHMENT 4
CLEAR SITE CERTIFICATES

Clear Site Certification
WPCRLF PROJECTS FUNDED BEGINNING FY 2015

Loan Recipient

Project No. SRF-C280_____

As Authorized Representative of the _____ (Loan Recipient),

I do hereby certify that, regarding the referenced project (as described in the loan agreement):

1. All real property (including permanent easements and rights-of-way, except temporary construction easements) acquired since planning of the WPCRLF project began was acquired in accordance with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 as Amended.

2. The Loan Recipient has acquired by fee simple title, twenty (or more) year lease, or other such estate or interest all required real property (including permanent easements and rights-of-way).

3. The Loan Recipient has acquired all required temporary construction easements in accordance with applicable state law and local ordinances.

I understand that I shall immediately provide written notice to MDEQ if at any time I learn that this Certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete.

_____ _____

Authorized Representative (Signature) Date

_____

Printed Name

Clear Site Certification
WPCRLF PROJECTS FUNDED BEGINNING FY 2015

Title Counsel

Project No. SRF-C280_____

As Title Counsel representing the _____ (Loan Recipient), I do hereby certify that, regarding the referenced project (as described in the loan agreement):

1. I have investigated and ascertained the location(s) of, and am familiar with the legal description(s) of the site(s) (including easements and rights-of-way) required for all elements (construction, operation, and maintenance) of the project.

2. I have examined the deed records of the county or counties in which the project is to be located and in my opinion, the Loan Recipient has a legal and valid fee simple title, twenty (or more) year lease, or such other estate or interest in the site(s) sufficient to assure undisturbed use and possession throughout the estimated life of the project.

3. All deeds and/or other documents required to protect the title and the interest of the Loan Recipient have been duly recorded and filed for record wherever necessary.

I understand that I shall immediately provide written notice to MDEQ if at any time I learn that this Certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, and that it is true, accurate and complete.

_____ _____

Title Counsel (Signature) Date

_____

Printed Name

ATTACHMENT 5
SUPPLEMENTARY INFORMATION FOR BIDDERS

SUPPLEMENTARY INFORMATION FOR BIDDERS
WPCRLF PROJECTS FUNDED BEGINNING FEDERAL FY 2016
(OCTOBER 1, 2015 AND AFTER)

A. Executive Order 12549-Debarment and Suspension

This contract will not be awarded to a bidder that has been excluded or disqualified from participating in federal assistance programs. Further, the successful bidder agrees not to enter into agreements with subcontractors/suppliers who are excluded or disqualified from participating in federal assistance programs. See www.sam.gov.

B. Executive Order 11246-Equal Employment Opportunity

During the performance of this contract, the contractor agrees as follows:

1. The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause.
2. The contractor will, in all solicitations or advancements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.
3. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer, advising the labor union or workers' representative of the contractor's commitments under Section 202 of Executive Order No. 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
4. The contractor will comply with all provisions of Executive Order No. 11246 of Sept. 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
5. The contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
6. In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be cancelled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order No. 11246 of Sept. 24, 1965, and such other sanctions may be imposed and

remedies invoked as provided in Executive Order No. 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

7. The contractor will include the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the contractor may request the United States to enter into such litigation to protect the interests of the United States." [Sec. 202 amended by EO 11375 of Oct. 13, 1967, 32 FR 14303, 3 CFR, 1966-1970 Comp., p. 684, EO 12086 of Oct. 5, 1978, 43 FR 46501, 3 CFR, 1978 Comp., p. 230]

C. American Iron and Steel

The Contractor acknowledges to and for the benefit of Owner that it understands the goods and services under this Agreement are being funded with monies made available by the Water Pollution Control Revolving Loan Fund (WPCRLF) that have requirements commonly known as "American Iron and Steel;" that requires all of the iron and steel products used in the project to be produced in the United States ("American Iron and Steel Requirement") including iron and steel products provided by the Contactor pursuant to this Agreement. The Contractor hereby represents and warrants to and for the benefit of the Owner that (a) the Contractor has reviewed and understands the American Iron and Steel Requirement, (b) all of the iron and steel products used in the project will be and/or have been produced in the United States in a manner that complies with the American Iron and Steel Requirement, unless a waiver of the requirement is approved, and (c) the Contractor will provide any further verified information, certification or assurance of compliance with this paragraph, or information necessary to support a waiver of the American Iron and Steel Requirement, as may be requested by the Owner. Notwithstanding any other provision of this Agreement, any failure to comply with this paragraph by the Contractor shall permit the Owner to recover as damages against the Contractor any loss, expense, or cost (including without limitation attorney's fees) incurred by the Owner resulting from any such failure (including without limitation any impairment or loss of funding, whether in whole or in part, from the WPCRLF).

D. EPA Public Awareness Notification

The Contractor will display the following EPA Public Awareness Notification on a bulletin board/sign in a prominent location on the project site for the duration of the contract:

(<u>Project-Specific</u> EPA Public Awareness Notification Must Be Inserted Here Prior To Bidding)

ATTACHMENT 6
SAMPLE AIS STEP CERTIFICATION

SAMPLE STEP CERTIFICATION

(Company Letterhead)

Date

Company Name

Company Address

City, State Zip

Subject: American Iron and Steel Step Certification for WPCRLF Project No. SRF C280___-__

I, (company representative), certify that the (melting, bending, coating, galvanizing, cutting, etc.) process for (manufacturing or fabricating) the following products and/or materials shipped or provided for the subject project is in full compliance with the American Iron and Steel requirement as mandated by Section 5004 of the Water Resources Reform and Redevelopment Act of 2014 (P.L. 113-121).

Item, Products and/or Materials:
1. Xxxx
2. Xxxx
3. Xxxx

Such process took place at the following location:
_____

If any of the above compliance statements change while providing material to this project we will immediately notify the prime contractor and the engineer.

Signed by company representative

ATTACHMENT 7
COST AND EFFECTIVENESS CERTIFICATION

COST AND EFFECTIVENESS CERTIFICATION

Loan Applicant/Recipient: _____

Loan Number: SRF-C280_____

We (the undersigned Authorized Representative and Consulting Engineer) do hereby certify as follows with regard to the Water Pollution Control Revolving Loan Fund (hereinafter "WPCRLF") project identified above:

(A) The Loan Applicant/Recipient has studied and evaluated the cost and effectiveness of the processes, materials, techniques, and technologies for carrying out the proposed project or activity for which assistance is sought under this title; and

(B) The Loan Applicant/Recipient has selected, to the maximum extent practicable, a project or activity that maximizes the potential for efficient water use, reuse, recapture, and conservation, and energy conservation, taking into account—

(i) the cost of constructing the project or activity;
(ii) the cost of operating and maintaining the project or activity over the life of the project or activity; and
(iii) the cost of replacing the project or activity;

We understand that this Cost and Effectiveness Certification (hereinafter "Certification") is a material representation of fact upon which reliance is placed by the Mississippi Department of Environmental Quality (hereinafter "MDEQ") regarding state financial assistance under Section 49-17-81 through 89, Mississippi Code of 1972, as amended (Water Pollution Control Revolving Fund and Emergency Loan Fund Act) to construct the water pollution control project identified above.

We understand that we shall immediately provide written notice to the MDEQ if at any time we learn that this Certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

We understand that we must maintain all documents, papers, and records regarding the Cost and Effectiveness study and evaluation and that any duly authorized representative of the MDEQ and/or EPA has a right of access to any such documents, papers and/or record for purposes of review, audit, examination, excerpts, and transcriptions.

We understand that MDEQ may report violations and/or suspected violations to the appropriate state and/or federal authorities in accordance with applicable state law and regulations and/or applicable federal law and regulations and/or as determined appropriate by MDEQ.

We understand that if MDEQ discovers that any of the Cost and Effectiveness requirements were violated or that the Loan Applicant/Recipient rendered an erroneous Certification, in addition to all other remedies available, the Executive Director, or his designee, may determine that the related costs are unallowable and may require immediate repayment of all WPCRLF funds paid for such costs, in accordance with Rule 7.3.H.(6) of the WPCRLF Program Regulations.

As the Loan Applicant's/Recipient's Authorized Representative, I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, and based on my inquiry of those individuals immediately responsible for obtaining the information, believe the submitted information is true, accurate and complete.

_____	_____
Authorized Representative (Signature)	Consulting Engineer (Signature)
_____	_____
Printed Name	Printed Name
_____	_____
Date	Date

ATTACHMENT 8
FEDERAL/STATE PROCUREMENT CERTIFICATION

FEDERAL/STATE PROCUREMENT CERTIFICATION

Loan Applicant: _____

Loan Number: SRF-C280_____

We (the undersigned Authorized Representative and Legal Counsel) do hereby certify as follows with regard to procurement related to the Water Pollution Control Revolving Loan Fund (hereinafter "WPCRLF") project identified above:

[FEDERAL PROCUREMENT CERTIFICATION] For all contracts for program management, construction management, feasibility studies, preliminary engineering, design, engineering, surveying, mapping, or A/E services as defined in 40 U.S.C. 1102(2)(A-C):

We certify that the Loan Applicant has procured or will procure all such professional services in accordance with the applicable requirements of 40 U.S.C. 1101 *et seq.*, which include:

- Public announcement of the solicitation (e.g., a Request for Qualifications);
- Evaluation and ranking of the submitted qualifications statements based on established, publicly available criteria (e.g., identified in the solicitation);
  - -- Evaluation criteria should be based on demonstrated competence and qualification for the type of professional services required (e.g., past performance, specialized experience, and technical competence in the type of work required);
- Discussion with at least three firms to consider anticipated concepts and compare alternative methods for furnishing services;
- Selection of at least three firms considered to be the most highly qualified to provide the services required; and
- Contract negotiation with the most highly qualified firm to determine compensation that is fair and reasonable based on a clear understanding of the project scope, complexity, professional nature, and the estimated value of the services to be rendered;
  - -- In the event that a contract cannot be negotiated with the most highly qualified firm, negotiation continues in order of qualification.

[STATE PROCUREMENT CERTIFICATION] For all other contracts for professional services or construction equipment or supplies:

We certify that we have received, reviewed and understand the state's law and regulations regarding purchasing.

We hereby certify that the Loan Applicant has procured or will procure all such professional services required for this project in accordance with state law and regulations.

We further certify that all plans, specifications, and contract documents for construction, equipment, and supplies for this project, including all subsequent change orders, have been or will be prepared and have been or will be procured in accordance with state public purchasing law, Section 31-7-1 through 73, Mississippi Code of 1972, as amended.

We understand that this Procurement Certification (hereinafter "Certification") is a material representation of fact upon which reliance is placed by the Mississippi Department of Environmental Quality (hereinafter "MDEQ") regarding state financial assistance under Section 49-17-81 through 89, Mississippi Code of 1972, as amended (Water Pollution Control Revolving Fund and Emergency Loan Fund Act) to construct the water pollution control project identified above.

We understand that we shall immediately provide written notice to the MDEQ if at any time we learn that this Certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

We understand that we must maintain all documents, papers, and records regarding all procurements and that any duly authorized representative of the MDEQ and/or EPA has a right of access to any such documents, papers and/or record for purposes of review, audit, examination, excerpts, and transcriptions.

We understand that MDEQ may report violations and/or suspected violations to the appropriate state and/or federal authorities in accordance with applicable state law and regulations and/or applicable federal law and regulations and/or as determined appropriate by MDEQ.

We understand that if MDEQ discovers that any of the procurement requirements were violated or that the Loan Applicant rendered an erroneous Certification, in addition to all other remedies available, the Executive Director, or his designee, may determine that the related costs are unallowable and may require immediate repayment of all WPCRLF funds paid for such costs, in accordance with Rule 7.3.H.(6) of the WPCRLF Program Regulations. We also understand that violations of the state public purchasing laws may subject us to further penalties as described in Sections 31-7-55, 31-7-57 and/or 97-7-10, Mississippi Code of 1972, as amended.

As the Loan Applicant's Authorized Representative, I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, and based on my inquiry of those individuals immediately responsible for obtaining the information, believe the submitted information is true, accurate and complete.

_____	_____
Authorized Representative (Signature)	Legal Counsel (Signature)
_____	_____
Printed Name	Printed Name
_____	_____
Date	Date

ATTACHMENT 9
GENERIC EPA PUBLIC AWARENESS NOTIFICATION

EPA PUBLIC AWARENESS NOTIFICATION

(Project Name/Description)
(Loan Recipient)
Loan Number: SRF-C280_____
Water Pollution Control Revolving Loan Fund/Clean Water State Revolving Loan Fund
MS Department of Environmental Quality/US Environmental Protection Agency

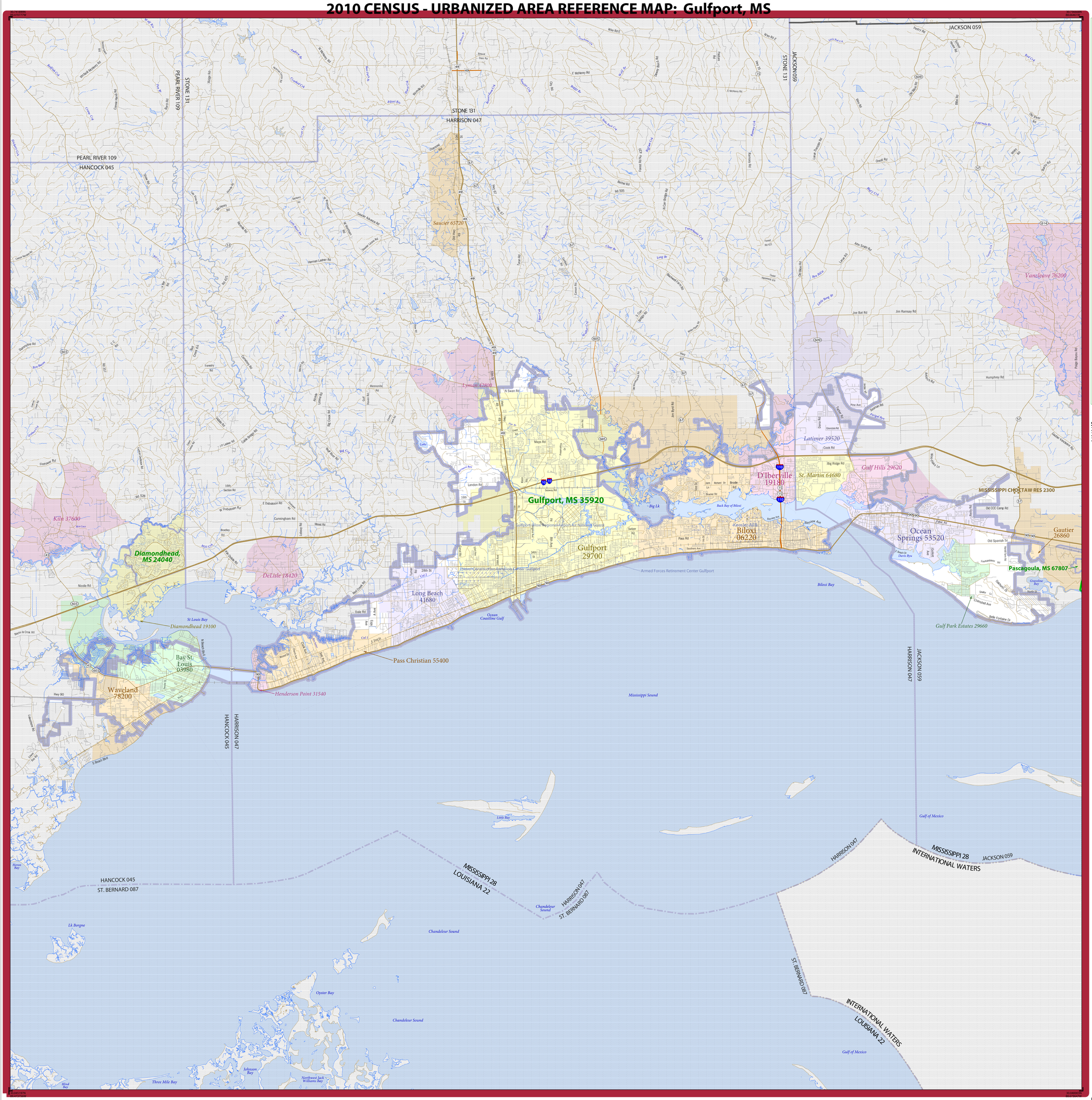
This water pollution control project is being financed in whole or in part by a loan from the Water Pollution Control Revolving Loan Fund (WPCRLF), which is Mississippi's Clean Water State Revolving Fund (CWSRF). The WPCRLF Program, which is administered by the Mississippi Department of Environmental Quality (MDEQ), is funded in part with annual federal CWSRF appropriations made available through the U.S. Environmental Protection Agency (EPA), and is therefore subject to, and receives all associated benefits from, various federal requirements.* The CWSRF programs in each state help provide communities the resources necessary to maintain and improve the infrastructure that protects our valuable water resources nationwide. This WPCRLF-funded project is designed to provide water quality benefits for the citizens of this community and the surrounding areas.

* Applicable Federal Requirements Include:

- Davis-Bacon (Wage Rates)
- American Iron and Steel
- Fiscal Sustainability Plans
- Cross-cutting Federal Authorities
- Federal Procurement (Engineering Services)
- Cost and Effectiveness Studies/Evaluations
- Public Awareness Notification

For more information visit the MDEQ website at www.deq.state.ms.us, or contact a WPCRLF/CWSRF loan program representative at 601-961-5171.

2010 CENSUS - URBANIZED AREA REFERENCE MAP: Gulfport, MS



LEGEND

SYMBOL DESCRIPTION	LABEL STYLE
International	CANADA
Federal American Indian Reservation	L'ANSE RES 1880
Off-Reservation Trust Land	T1880
Urbanized Area	Dover, DE 24580
Urban Cluster	*Tooele, VT 88057*
State (or statistically equivalent entity)	NEW YORK 36
County (or statistically equivalent entity)	ERIE 029
Minor Civil Division (MCD) [1,2]	Bristol town 07485
Consolidated City	MILFORD 47500
Incorporated Place [1,3]	Davis 18100
Census Designated Place (CDP) [3]	*Incline Village 35100*

DESCRIPTION	SYMBOL
Interstate	10
U.S. Highway	2
State Highway	4
Other Road	Marsh Ln
Railroad	Southern RR
Perennial Stream	Tumbling Cr
Intermittent Stream	Piney Cr

DESCRIPTION	SYMBOL
Water Body	Pleasant Lake
Military	Fort Belvoir
Outside Subject Area	

Where international, state, county, and/or MCD boundaries coincide, the map shows the boundary symbol for only the highest-ranking of these boundaries.

1 A '*' following an MCD name denotes a false MCD. A '°' following a place name indicates that a false MCD exists with the same name and FIPS code as the place; the false MCD label is not shown.

2 MCD boundaries are shown in the following states in which some or all MCDs function as general-purpose governmental units: Connecticut, Illinois, Indiana, Kansas, Maine, Massachusetts, Michigan, Minnesota, Missouri, Nebraska, New Hampshire, New Jersey, New York, North Dakota, Ohio, Pennsylvania, Rhode Island, South Dakota, Vermont, and Wisconsin. (Note that Illinois and Nebraska have some counties covered by nongovernmental precincts and Missouri has most counties covered by nongovernmental townships.)

3 Place label color corresponds to the place fill color.
Label colors: Davis Davis Davis Davis Davis

SUBJECT AREA COUNTIES ON MAP SHEET
28045 Hancock
28047 Harrison
28059 Jackson

All legal boundaries and names are as of January 1, 2010. Urban areas are based on results from the 2010 Decennial Census. The boundaries shown on this map are for Census Bureau statistical data collection and tabulation purposes only; their depiction and designation for statistical purposes does not constitute a determination of jurisdictional authority or rights of ownership or entitlement.

Geographic Vintage: 2010 Census (reference date: January 1, 2010)
Data Source: U.S. Census Bureau's MAF/TIGER database (TAB10)
Map Created by Geography Division: March 10, 2012

U.S. DEPARTMENT OF COMMERCE Economics and Statistics Administration U.S. Census Bureau

Projection: Albers Equal Area Conic
Datum: NAD 83
Spheroid: GRS 80
1st Standard Parallel: 30 57 15
2nd Standard Parallel: 34 11 14
Central Meridian: -89 52 02
Latitude of Projection's Origin: 30 08 45
False Easting: 0
False Northing: 0

0 3 6 9 12 15 Kilometers
0 2 4 6 8 10 Miles

The plotted map scale is 1:105733

N W E S

United States Census Bureau

PARENT SHEET 1

Total Sheets: 1
- Index Sheets: 0
- Parent Sheets: 1

UA NAME: Gulfport, MS
UA CODE: 35920
ENTITY TYPE: Urbanized Area (UA)
ST: Mississippi (28)

2010 CENSUS UA REF MAP (PARENT)
231035920001

ATTACHMENT 2

2012 Clean Water State Revolving Fund
10% Green Project Reserve:
Guidance for Determining Project Eligibility

I. Introduction: The Fiscal Year (FY) 2012 Appropriation Act (P.L. 112-74) included additional requirements affecting the Clean Water State Revolving Fund (SRF) program. This attachment is included in the *Procedures for Implementing Certain Provisions of EPA's Fiscal Year 2012Appropriation Affecting the Clean Water and Drinking Water State Revolving Fund Programs*. This attachment includes the details for determining green project reserve (GPR) eligibility for the Clean Water SRF program.

Public Law 112-74 states: "*Provided*, That for fiscal year 2012, to the extent there are sufficient eligible project applications, not less than 10 percent of the funds made available under this title to each State for Clean Water State Revolving Fund capitalization grants shall be used by the State for projects to address green infrastructure, water or energy efficiency improvements, or other environmentally innovative activities." These four categories of projects are the components of the Green Project Reserve (GPR).

II. GPR Goals: Congress' intent in enacting the GPR is to direct State investment practices in the water sector to guide funding toward projects that utilize green or soft-path practices to complement and augment hard or gray infrastructure, adopt practices that reduce the environmental footprint of water and wastewater treatment, collection, and distribution, help utilities adapt to climate change, enhance water and energy conservation, adopt more sustainable solutions to wet weather flows, and promote innovative approaches to water management problems. Over time, GPR projects could enable utilities to take savings derived from reducing water losses and energy consumption, and use them for public health and environmental enhancement projects. Additionally, EPA expects that green projects will help the water sector improve the quality of water services without putting additional strain on the energy grid, and by reducing the volume of water lost every year.

III. Background: For the FY 2010 GPR Guidance, EPA used an inclusive approach to determine what is and is not a 'green' water project. Wherever possible, this guidance references existing consensus-based industry practices to provide assistance in developing green projects. Input was solicited from State-EPA and EPA-Regional workgroups and the water sector. EPA staff also reviewed approaches promoted by green practice advocacy groups and water associations, and green infrastructure implemented by engineers and managers in the water sector. EPA also assessed existing 'green' policies within EPA and received input from staff in those programs to determine how EPA funds could be used to achieve shared goals.

The FY 2012 SRF GPR Guidance provides States with information needed to determine which projects count toward the GPR requirement. The intent of the GPR Guidance is to describe projects and activities that fit within the four specific categories listed in the FY 2012

Appropriations Act. This guidance defines each category of GPR projects and lists projects that are clearly eligible for GPR, heretofore known as categorically eligible projects. For projects that do not appear on the list of categorically projects, they may be evaluated for their eligibility within one of the four targeted types of GPR eligible projects based upon a business case that provides clear documentation (see the *Business Case Development* sections in Parts A & B below).

GPR may be used for planning, design, and/or building activities. Entire projects, or the appropriate discrete components of projects, may be eligible for GPR. Projects do not have to be part of a larger capital project to be eligible. All projects or project components counted toward the GPR requirement must clearly advance one or more of the objectives articulated in the four categories of GPR discussed below.

The Green Project Reserve sets a new precedent for the SRFs by targeting funding towards projects that States may not have funded in prior years. Water quality benefits from GPR projects rely on proper operation and maintenance to achieve the intended benefits of the projects and to achieve optimal performance of the project. EPA encourages states and funding recipients to thoroughly plan for proper operation and maintenance of the projects funded by the SRFs, including training in proper operation of the project. It is noted, however, that the SRFs cannot provide funding for operation and maintenance costs, including training, in the SRF assistance agreements.

CWSRF Eligibility Principles

State SRF programs are responsible for identifying projects that count toward GPR. The following overarching principles, or decision criteria, apply to all projects that count toward GPR and will help states identify projects.

0.1 All GPR projects must otherwise be eligible for CWSRF funding. The GPR requirement does not create new funding authority beyond that described in Title VI of the CWA. Consequently, a subset of 212, 319 and 320 projects will count towards the GPR. The principles guiding CWSRF funding eligibility include:

0.2 All Sec 212 projects must be consistent with the definition of "treatment works" as set forth in section 212 of the Clean Water Act (CWA).

- 0.2-1 All section 212 projects must be publicly owned, as required by CWA section 603(c)(1).
- 0.2-2 All section 212 projects must serve a public purpose.
- 0.2-3 POTWs as a whole are utilized to protect or restore water quality. Not all portions of the POTW have a direct water quality impact in and of themselves (i.e. security fencing). Consequently, POTW projects are not required to have a direct water quality benefit, though most of them will.

0.3 Eligible nonpoint source projects implement a nonpoint source management program under an approved section 319 plan or the nine element watershed plans required by the 319 program.

- 0.3-1 Projects prevent or remediate nonpoint source pollution.
- 0.3-2 Projects can be either publicly or privately owned and can serve either public or private purposes. For instance, it is acceptable to fund land conservation activities that preserve the water quality of a drinking water source, which represents a public purpose project. It is also acceptable to fund agricultural BMPs that reduce nonpoint source pollution, but also improve the profitability of the agricultural operation. Profitability is an example of a private purpose.
- 0.3-3 Eligible costs are limited to planning, design and building of capital water quality projects. The CWSRF considers planting trees and shrubs, purchasing equipment, environmental cleanups and the development and initial delivery of education programs as capital water quality projects. Daily maintenance and operations, such as expenses and salaries are not considered capital costs.
- 0.3-4 Projects must have a direct water quality benefit. Implementation of a water quality project should, in itself, protect or improve water quality. States should be able to estimate the quantitative and/or qualitative water quality benefit of a nonpoint source project.
- 0.3-5 Only the portions of a project that remediate, mitigate the impacts of, or prevent water pollution or aquatic or riparian habitat degradation should be funded. Where water quantity projects improve water quality (e.g. reduction of flows from impervious surfaces that adversely affect stream health, or the modification of irrigation systems to reduce runoff and leachate from irrigated lands), they would

be considered to have a water quality benefit. In many cases, water quality protection is combined with other elements of an overall project. For instance, brownfield revitalization projects include not only water quality assessment and cleanup elements, but often a redevelopment element as well. Where the water quality portion of a project is clearly distinct from other portions of the project, only the water quality portion can be funded by the CWSRF.

0.3-6 Point source solutions to nonpoint source problems are eligible as CWSRF nonpoint source projects. Section 319 Nonpoint Source Management Plans identify sources of nonpoint source pollution. In some cases, the most environmentally and financially desirable solution has point source characteristics and requires an NPDES discharge permit. For instance, a septage treatment facility may be crucial to the proper maintenance and subsequent functioning of decentralized wastewater systems. Without the septage treatment facility, decentralized systems are less likely to be pumped, resulting in malfunctioning septic tanks.

0.4 Eligible projects under section 320 implement an approved section 320 Comprehensive Conservation Management Plan (CCMP).

0.4-1 Section 320 projects can be either publicly or privately owned.

0.4-2 Eligible costs are limited to capital costs.

0.4-3 Projects must have a direct benefit to the water quality of an estuary. This includes protection of public water supplies and the protection and propagation of a balanced, indigenous population of shellfish, fish, and wildlife, and allows recreational activities, in and on water, and requires the control of point and nonpoint sources of pollution to supplement existing controls of pollution.

0.4-4 Only the portions of a project that remediate, mitigate the impacts of, or prevent water pollution in the estuary watershed should be funded.

0.5 GPR projects must meet the definition of one of the four GPR categories. The Individual GPR categories do not create new eligibility for the CWSRF. The projects that count toward GPR must otherwise be eligible for CWSRF funding.

0.6 GPR projects must further the goals of the Clean Water Act.[1]

[1] Drinking Water Utilities can apply for CWSRF funding

CWSRF Technical Guidance

The following sections outline the technical aspects for the CWSRF Green Project Reserve. It is organized by the four categories of green projects: green infrastructure, water efficiency, energy efficiency, and environmentally innovative activities. Categorically green projects are listed, as well as projects that are ineligible. Design criteria for business cases and example projects that would require a business case are also provided.

1.0 GREEN INFRASTRUCTURE

1.1 Definition: Green stormwater infrastructure includes a wide array of practices at multiple scales that manage wet weather and that maintain and restore natural hydrology by infiltrating, evapotranspiring and harvesting and using stormwater. On a regional scale, green infrastructure is the preservation and restoration of natural landscape features, such as forests, floodplains and wetlands, coupled with policies such as infill and redevelopment that reduce overall imperviousness in a watershed. On the local scale green infrastructure consists of site- and neighborhood-specific practices, such as bioretention, trees, green roofs, permeable pavements and cisterns.

1.2 Categorical Projects

- 1.2-1 Implementation of green streets (combinations of green infrastructure practices in transportation rights-of-ways), for either new development, redevelopment or retrofits including: permeable pavement[2], bioretention, trees, green roofs, and other practices such as constructed wetlands that can be designed to mimic natural hydrology and reduce effective imperviousness at one or more scales. Vactor trucks and other capital equipment necessary to maintain green infrastructure projects.
- 1.2-2 Wet weather management systems for parking areas including: permeable pavement[2], bioretention, trees, green roofs, and other practices such as constructed wetlands that can be designed to mimic natural hydrology and reduce effective imperviousness at one or more scales. Vactor trucks and other capital equipment necessary to maintain green infrastructure projects.
- 1.2-3 Implementation of comprehensive street tree or urban forestry programs, including expansion of tree boxes to manage additional stormwater and enhance tree health.
- 1.2-4 Stormwater harvesting and reuse projects, such as cisterns and the systems that allow for utilization of harvested stormwater, including pipes to distribute stormwater for reuse.
- 1.2-5 Downspout disconnection to remove stormwater from sanitary, combined sewers and separate storm sewers and manage runoff onsite.
- 1.2-6 Comprehensive retrofit programs designed to keep wet weather discharges out of all types of sewer systems using green infrastructure technologies and approaches such as green roofs, green walls, trees and urban reforestation, permeable

[2] The total capital cost of permeable pavement is eligible, not just the incremental additional cost when compared to impervious pavement.

pavements and bioretention cells, and turf removal and replacement with native vegetation or trees that improve permeability.

1.2-7 Establishment or restoration of permanent riparian buffers, floodplains, wetlands and other natural features, including vegetated buffers or soft bioengineered stream banks. This includes stream day lighting that removes natural streams from artificial pipes and restores a natural stream morphology that is capable of accommodating a range of hydrologic conditions while also providing biological integrity. In highly urbanized watersheds this may not be the original hydrology.

1.2-8 Projects that involve the management of wetlands to improve water quality and/or support green infrastructure efforts (e.g., flood attenuation).[3]

1.2-8a Includes constructed wetlands.

1.2-8b May include natural or restored wetlands if the wetland and its multiple functions are not degraded and all permit requirements are met.

1.2-9 The water quality portion of projects that employ development and redevelopment practices that preserve or restore site hydrologic processes through sustainable landscaping and site design.

1.2-10 Fee simple purchase of land or easements on land that has a direct benefit to water quality, such as riparian and wetland protection or restoration.

1.3 Projects That Do Not Meet the Definition of Green Infrastructure

1.3-1 Stormwater controls that have impervious or semi-impervious liners and provide no compensatory evapotranspirative or harvesting function for stormwater retention.

1.3-2 Stormwater ponds that serve an extended detention function and/or extended filtration. This includes dirt lined detention basins.

1.3-3 In-line and end-of-pipe treatment systems that only filter or detain stormwater.

1.3-4 Underground stormwater control and treatment devices such as swirl concentrators, hydrodynamic separators, baffle systems for grit, trash removal/floatables, oil and grease, inflatable booms and dams for in-line underground storage and diversion of flows.

1.3-5 Stormwater conveyance systems that are not soil/vegetation based (swales) such as pipes and concrete channels. Green infrastructure projects that include pipes to collect stormwater may be justified as innovative environmental projects pursuant to Section 4.4 of this guidance.

1.3-6 Hardening, channelizing or straightening streams and/or stream banks.

1.3-7 Street sweepers, sewer cleaners, and vactor trucks unless they support green infrastructure projects.

1.4 Decision Criteria for Business Cases

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[3] Wetlands are those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, vernal pools, and similar areas.

1.4-1 Green infrastructure projects are designed to mimic the natural hydrologic conditions of the site or watershed.
1.4-2 Projects that capture, treat, infiltrate, or evapotranspire water on the parcels where it falls and does not result in interbasin transfers of water.
1.4-3 GPR project is in lieu of or to supplement municipal hard/gray infrastructure.
1.4-4 Projects considering both landscape and site scale will be most successful at protecting water quality.
1.4-5 Design criteria are available at: http://cfpub.epa.gov/npdes/greeninfrastructure/munichandbook.cfm and http://cfpub.epa.gov/npdes/greeninfrastructure/technology.cfm

1.5 Examples of Projects Requiring A Business Case
1.5-1 Fencing to keep livestock out of streams and stream buffers. Fencing must allow buffer vegetation to grow undisturbed and be placed a sufficient distance from the riparian edge for the buffer to function as a filter for sediment, nutrients and other pollutants.

2.0 WATER EFFICIENCY

2.1 Definition: EPA's WaterSense program defines water efficiency as the use of improved technologies and practices to deliver equal or better services with less water. Water efficiency encompasses conservation and reuse efforts, as well as water loss reduction and prevention, to protect water resources for the future.

2.2 Categorical Projects
2.2-1 Installing or retrofitting water efficient devices, such as plumbing fixtures and appliances
2.2-1a For example -- shower heads, toilets, urinals and other plumbing devices
2.2-1b Where specifications exist, WaterSense labeled products should be the preferred choice (http://www.epa.gov/watersense/index.html).
2.2-1c Implementation of incentive programs to conserve water such as rebates.
2.2-2 Installing any type of water meter in previously unmetered areas
2.2-2a If rate structures are based on metered use
2.2-2b Can include backflow prevention devices if installed in conjunction with water meter
2.2-3 Replacing existing broken/malfunctioning water meters, or upgrading existing meters, with:
2.2-3a Automatic meter reading systems (AMR), for example:
2.2-3a(i) Advanced metering infrastructure (AMI)
2.2-3a(ii) Smart meters
2.2-3b Meters with built in leak detection
2.2-3c Can include backflow prevention devices if installed in conjunction with water meter replacement
2.2-4 Retrofitting/adding AMR capabilities or leak detection equipment to existing meters (not replacing the meter itself).

2.2-5 Water audit and water conservation plans, which are reasonably expected to result in a capital project.
2.2-6 Recycling and water reuse projects that replace potable sources with non-potable sources,
2.2-6a Gray water, condensate and wastewater effluent reuse systems (where local codes allow the practice)
2.2-6b Extra treatment costs and distribution pipes associated with water reuse.
2.2-7 Retrofit or replacement of existing landscape irrigation systems with more efficient landscape irrigation systems, including moisture and rain sensing equipment.
2.2-8 Retrofit or replacement of existing agricultural irrigation systems with more efficient agricultural irrigation systems.

2.3 Projects That Do Not Meet the Definition of Water Efficiency
2.3-1 Agricultural flood irrigation.
2.3-2 Lining of canals to reduce water loss.
2.3-3 Replacing drinking water distribution lines. This activity extends beyond CWSRF eligibility and is more appropriately funded by the DWSRF.
2.3-4 Leak detection equipment for drinking water distribution systems, unless used for reuse distribution pipes.

2.4 Decision Criteria for Business Cases
2.4-1 Water efficiency can be accomplished through water saving elements or reducing water consumption. This will reduce the amount of water taken out of rivers, lakes, streams, groundwater, or from other sources.
2.4-2 Water efficiency projects should deliver equal or better services with less net water use as compared to traditional or standard technologies and practices
2.4-3 Efficient water use often has the added benefit of reducing the amount of energy required by a POTW, since less water would need to be collected and treated; therefore, there are also energy and financial savings.

2.5 Examples of Projects Requiring a Business Case.
2.5-1 Water meter replacement with traditional water meters (see AWWA M6 *Water Meters – Selection Installation, Testing, and Maintenance*).
2.5-2 Projects that result from a water audit or water conservation plan
2.5-3 Storage tank replacement/rehabilitation to reduce loss of reclaimed water.
2.5-4 New water efficient landscape irrigation system (where there currently is not one).
2.5-5 New water efficient agricultural irrigation system (where there currently is not one).

3.0 ENERGY EFFICIENCY

3.1 Definition: Energy efficiency is the use of improved technologies and practices to reduce the energy consumption of water quality projects, use energy in a more efficient way, and/or produce/utilize renewable energy.

3.2 Categorical Projects

3.2-1 Renewable energy projects such as wind, solar, geothermal, micro-hydroelectric, and biogas combined heat and power systems (CHP) that provide power to a POTW. (http:///www.epa.gov/cleanenergy). Micro-hydroelectric projects involve capturing the energy from pipe flow.

3.2-1a POTW owned renewable energy projects can be located onsite or offsite.

3.2-1b Includes the portion of a publicly owned renewable energy project that serves POTW's energy needs.

3.2-1c Must feed into the grid that the utility draws from and/or there is a direct connection.

3.2-2 Projects that achieve a 20% reduction in energy consumption are categorically eligible for GPR[4]. Retrofit projects should compare energy used by the existing system or unit process[5] to the proposed project. The energy used by the existing system should be based on name plate data when the system was first installed, recognizing that the old system is currently operating at a lower overall efficiency than at the time of installation. New POTW projects or capacity expansion projects should be designed to maximize energy efficiency and should select high efficiency premium motors and equipment where cost effective. Estimation of the energy efficiency is necessary for the project to be counted toward GPR. If a project achieves less than a 20% reduction in energy efficiency, then it may be justified using a business case.

3.2-3 Collection system Infiltration/Inflow (I/I) detection equipment

3.2-4 POTW energy management planning, including energy assessments, energy audits, optimization studies, and sub-metering of individual processes to determine high energy use areas, which are reasonably expected to result in a capital project are eligible. Guidance to help POTWs develop energy management programs, including assessments and audits is available at http://www.epa.gov/waterinfrastructure/pdfs/guidebook_si_energymanagement.pdf.

3.3 Projects That Do Not Meet the Definition of Energy Efficiency

3.3-1 Renewable energy generation that is *privately* owned or the portion of a publicly owned renewable energy facility that does not provide power to a POTW, either through a connection to the grid that the utility draws from and/or a direct connection to the POTW.

3.3-2 Simply replacing a pump, or other piece of equipment, because it is at the end of its useful life, with something of average efficiency.

3.3-3 Facultative lagoons, even if integral to an innovative treatment process.

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[4] The 20% threshold for categorically eligible CWSRF energy efficiency projects was derived from a 2002 Department of Energy study entitled *United States Industrial Electric Motor Systems Market Opportunities Assessment, December 2002* and adopted by the Consortium for Energy Efficiency. Further field studies conducted by Wisconsin Focus on Energy and other State programs support the threshold.

[5] A unit process is a portion of the wastewater system such as the collection system, pumping stations, aeration system, or solids handling, etc.

3.3-4 Hydroelectric facilities, except micro-hydroelectric projects. Micro-hydroelectric projects involve capturing the energy from pipe flow.

3.4 Decision Criteria for Business Cases

3.4-1 Project must be cost effective. An evaluation must identify energy savings and payback on capital and operation and maintenance costs that does not exceed the useful life of the asset. http://www.epa.gov/waterinfrastructure/pdfs/guidebook_si_energymanagement.pdf

3.4-2 The business case must describe how the project maximizes energy saving opportunities for the POTW or unit process.

3.4-3 Using existing tools such as Energy Star's Portfolio Manager (http://www.energystar.gov/index.cfm?c=evaluate_performance.bus_portfoliomanager) or Check Up Program for Small Systems (CUPSS) (http://www.epa/cupss) to document current energy usage and track anticipated savings.

3.5 Examples of Projects Requiring a Business Case

3.5-1 POTW projects or unit process projects that achieve less than a 20% energy efficiency improvement.

3.5-2 Projects implementing recommendations from an energy audit that are not otherwise designated as categorical.

3.5-3 Projects that cost effectively eliminate pumps or pumping stations.

3.5-4 Infiltration/Inflow (I/I) correction projects that save energy from pumping and reduced treatment costs and are cost effective.

3.5-4a Projects that count toward GPR cannot build new structural capacity. These projects may, however, recover existing capacity by reducing flow from I/I.

3.5-5 I/I correction projects where excessive groundwater infiltration is contaminating the influent requiring otherwise unnecessary treatment processes (i.e. arsenic laden groundwater) and I/I correction is cost effective.

3.5-6 Replacing pre-Energy Policy Act of 1992 motors with National Electric Manufacturers Association (NEMA) premium energy efficiency motors.

3.5-6a NEMA is a standards setting association for the electrical manufacturing industry (http://www.nema.org/gov/energy/efficiency/premium/).

3.5-7 Upgrade of POTW lighting to energy efficient sources such as metal halide pulse start technologies, compact fluorescent, light emitting diode (LED).

3.5-8 SCADA systems can be justified based upon substantial energy savings.

3.5-9 Variable Frequency Drive can be justified based upon substantial energy savings.

4.0 ENVIRONMENTALLY INNOVATIVE

4.1 Definition: Environmentally innovative projects include those that demonstrate new and/or innovative approaches to delivering services or managing water resources in a more sustainable way.

4.2 Categorical Projects

4.2-1 Total/integrated water resources management planning likely to result in a capital project.

4.2-2 Utility Sustainability Plan consistent with EPA SRF's sustainability policy.

4.2-3 Greenhouse gas (GHG) inventory or mitigation plan and submission of a GHG inventory to a registry (such as Climate Leaders or Climate Registry)

4.3-3a Note: GHG Inventory and mitigation plan is eligible for CWSRF funding.

4.2-3b EPA Climate Leaders: http://www.epa.gov/climateleaders/basic/index.html
Climate Registry: http://www.theclimateregistry.org/

4.2-4 Planning activities by a POTW to prepare for adaptation to the long-term effects of climate change and/or extreme weather.

4.2-4a Office of Water – Climate Change and Water website: http://www.epa.gov/water/climatechange/

4.2.5 Construction of US Building Council LEED certified buildings or renovation of an existing building on POTW facilities.

4.2-5a Any level of certification (Platinum, Gold, Silver, Certified).

4.2-5b All building costs are eligible, not just stormwater, water efficiency and energy efficiency related costs. Costs are not limited to the incremental additional costs associated with LEED certified buildings.

4.2-5c U.S. Green Building Council website: http://www.usgbc.org/displaypage.aspx?CategoryID=19

4.2-6 Decentralized wastewater treatment solutions to existing deficient or failing onsite wastewater systems.

4.2-6a Decentralized wastewater systems include individual onsite and/or cluster wastewater systems used to collect, treat and disperse relatively small volumes of wastewater. An individual onsite wastewater treatment system is a system relying on natural processes and/or mechanical components, that is used to collect, treat and disperse or reclaim wastewater from a single dwelling or building. A cluster system is a wastewater collection and treatment system under some form of common ownership that collects wastewater from two or more dwellings or buildings and conveys it to a treatment and dispersal system located on a suitable site near the dwellings or buildings. Decentralized projects may include a combination of these systems. EPA recommends that decentralized systems be managed under a central management entity with enforceable program requirements, as stated in the *EPA Voluntary Management Guidelines.* http://www.epa.gov/owm/septic/pubs/septic_guidelines.pdf

4.2-6b Treatment and Collection Options: A variety of treatment and collection options are available when implementing decentralized wastewater systems. They typically include a septic tank, although many configurations include additional treatment components following or in place of the septic tank, which provide for advanced treatment solutions. Most disperse treated effluent to the soil where further treatment occurs, utilizing either conventional soil absorption fields or alternative soil dispersal methods which provide advanced treatment. Those that

discharge to streams, lakes, tributaries, and other water bodies require federal or state discharge permits (see below). Some systems promote water reuse/recycling, evaporation or wastewater uptake by plants. Some decentralized systems, particularly cluster or community systems, often utilize alternative methods of collection with small diameter pipes which can flow via gravity, pump, or siphon, including pressure sewers, vacuum sewers and small diameter gravity sewers. Alternative collection systems generally utilize piping that is less than 8 inches in diameter, or the minimum diameter allowed by the state if greater than 8 inches, with shallow burial and do not require manholes or lift stations. Septic tanks are typically installed at each building served or another location upstream of the final treatment and dispersal site. Collection systems can transport raw sewage or septic tank effluent. Another popular dispersal option used today is subsurface drip infiltration. Package plants that discharge to the soil are generally considered decentralized, depending on the situation in which they are used. While not entirely inclusive, information on treatment and collection processes is described, in detail, in the "*Onsite Wastewater Treatment Technology Fact Sheets*" section of the EPA Onsite Manual http://www.epa.gov/owm/septic/pubs/septic_2002_osdm_all.pdf and on EPA's septic system website under Technology Fact Sheets. http://cfpub.epa.gov/owm/septic/septic.cfm?page_id=283

4.2-6c For the purposes of the CWSRF, decentralized systems are considered to be section 319 projects and Davis-Bacon does not apply.

4.3 Projects That Do Not Meet the Definition of Environmentally Innovative

4.3-1 Air scrubbers to prevent nonpoint source deposition.

4.3-2 Facultative lagoons, even if integral to an innovative treatment processes.

4.3-3 Surface discharging decentralized wastewater systems where there are cost effective soil-based alternatives.

4.3-4 Higher sea walls to protect POTW from sea level rise.

4.3-5 Reflective roofs at POTW to combat heat island effect.

4.4 Decision Criteria for Business Cases

4.4-1 State programs are allowed flexibility in determining what projects qualify as innovative in their state based on unique geographical or climatological conditions.

4.4-1a Technology or approach whose performance is expected to address water quality but the actual performance has not been demonstrated in the state;

4.4-1b Technology or approach that is not widely used in the State, but does perform as well or better than conventional technology/approaches at lower cost; or

4.4-1c Conventional technology or approaches that are used in a new application in the State.

4.5 Examples of Projects Requiring a Business Case

4.5-1 Constructed wetlands projects used for municipal wastewater treatment, polishing, and/or effluent disposal.
  4.5-1a Natural wetlands, as well as the restoration/enhancement of degraded wetlands, may not be used for wastewater treatment purposes and must comply with all regulatory/permitting requirements.
  4.5-1b Projects may not (further) degrade natural wetlands.

4.5-2 Projects or components of projects that result from total/integrated water resource management planning consistent with the decision criteria for environmentally innovative projects and that are Clean Water SRF eligible.

4.5-3 Projects that facilitate adaptation of POTWs to climate change identified by a carbon footprint assessment or climate adaptation study.

4.5-4 POTW upgrades or retrofits that remove phosphorus for beneficial use, such as biofuel production with algae.

4.5-5 Application of innovative treatment technologies or systems that improve environmental conditions and are consistent with the Decision Criteria for environmentally innovative projects such as:
  4.5-5a Projects that significantly reduce or eliminate the use of chemicals in wastewater treatment;
  4.5-5b Treatment technologies or approaches that significantly reduce the volume of residuals, minimize the generation of residuals, or lower the amount of chemicals in the residuals. (National Biosolids Partnership, 2010; *Advances in Solids Reduction Processes at Wastewater Treatment Facilities Webinar*; http://www.e-wef.org/timssnet/meetings/tnt_meetings.cfm?primary_id=10CAP2&Action=LONG&subsystem=ORD%3cbr).
  4.5-5b(i) Includes composting, class A and other sustainable biosolids management approaches.

4.5-6 Educational activities and demonstration projects for water or energy efficiency.

4.5-7 Projects that achieve the goals/objectives of utility asset management plans (http://www.epa.gov/safewater/smallsystems/pdfs/guide_smallsystems_assetmanagement_bestpractices.pdf; http://www.epa.gov/owm/assetmanage/index.htm).

4.5-8 Sub-surface land application of effluent and other means for ground water recharge, such as spray irrigation and overland flow.
  4.5-8a Spray irrigation and overland flow of effluent is not eligible for GPR where there is no other cost effective alternative.

Business Case Development

This guidance is intended to be comprehensive: however, EPA understands our examples projects requiring a business case may not be all inclusive. A business case is a due diligence document. For those projects, or portions of projects, which are not included in the categorical projects lists provided above, a business case will be required to demonstrate that an assistance recipient has thoroughly researched anticipated 'green' benefits of a project. Business cases will be approved by the State (see section IV.A.a. in the *Procedures for Implementing Certain Provisions of EPA's Fiscal Year 2012 Appropriations Affecting the Clean Water and Drinking Water State Revolving Fund Programs*). An

approved business case must be included in the State's project files and contain clear documentation that the project achieves identifiable and substantial benefits. The following sections provide guidelines for business case development.

5.0 Length of a Business Case

- 5.0-1 Business cases must address the decision criteria for the category of project
- 5.0-2 Business cases should be adequate, but not exhaustive.
  - 5.0-2a There are many formats and approaches. EPA does not require any specific one.
  - 5.0-2b Some projects will require detailed analysis and calculations, while others many not require more than one page.
  - 5.0-2c Limit the information contained in the business case to only the pertinent 'green' information needed to justify the project.
- 5.0-3 A business case can simply summarize results from, and then cite, existing documentation – such as engineering reports, water or energy audits, results of water system tests, etc.

5.1 Content of a Business Case

- 5.1-1 Quantifiable water and/or energy savings or water loss reduction for water and energy efficiency projects should be included.
- 5.1-2 The cost and financial benefit of the project should be included, along with the payback time period where applicable. (NOTE: Clean Water SRF requires energy efficiency projects to be cost effective.)

5.2 Items Which Strengthen Business Case, but Are Not Required

- 5.2-1 Showing that the project was designed to enable equipment to operate most efficiently.
- 5.2-2 Demonstrating that equipment will meet or exceed standards set by professional associations.
- 5.2-3 Including operator training or committing to utilizing existing tools such as Energy Star's Portfolio Manager or CUPSS for energy efficiency projects.

5.3 Example Business Cases Are Available at http://www.srfbusinesscases.net/

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October 4, 2017

Ms. Jennifer Wood, Project Manager
MS Department of Environmental Quality
P.O. Box 2261
Jackson, MS 39225-2261

Re: City of Ocean Springs
Draft Facilities Plan for Wastewater System Improvements
SRF-C280752-03
(C.E. Job No.: 216-039.005)

Dear Ms. Wood:

In response to your letter dated July 14, 2017 regarding the above referenced project, please see our response to your comments below.

- Please reference the project number (SRF-C280752-03) on all future submittals and correspondence.
  - We will include this project number in all future correspondence.
- The facilities plan should be stamped, signed, and dated by a Professional Engineer registered in Mississippi.
  - All resubmittals of the plan will be sealed, signed, and dated by a registered professional engineer.
- The Cost and Effectiveness Certification must be signed and dated by the Authorized Representative and Engineer. Please include in your next submittal.
  - This Certification will be included in the next submittal.
- Section VI.C: The plan must contain a comparative evaluation of the "no action" alternative and the proposed alternative which specifically accounts for existing and future beneficial and adverse consequences that each alternative would have on the listed resources. The comparative evaluation should also include any sensitive environmental issues that are identified during management of the project or through public participation.
  - The evaluation of the "no action" alternative is outlined in Section VI, Paragraph A.2.
- Section VII.B: Where interlocal entities are involved and/or capacity is being provided for significant users, the plan must outline the various responsibilities for financing, constructing, operating, and maintaining the treatment works. Districts or other authorities which do not control the local water system must obtain an interlocal agreement with the local water system owner to shut off water for nonpayment of sewer bills. Otherwise, the Department may not award a loan unless other adequate security for loan repayment is demonstrated. Note that any required interlocal agreements will be due with the loan application.
  - Wastewater treatment is not included in the scope of the plan. There are no other entities involved in the financing of the project.
- Page 3, Paragraph 2: Please provide a brief written description of the specific location of the proposed project as shown on the map.

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- A general description of the proposed work for Phase 1 and future phases has been provided in Section I. This includes a region of the City and nearby major roads within the City.

- Page 10: Please provide the customer base (residential and commercial) for each zip code area.
  - There is only one physical zip code represented for the City, 39564. Zip Code 39566 represents post office boxes. This has been updated in Section III, Paragraph C.1. For physical addresses, the customer base for 39564 represents the entire City.
- Page 27: Under the Construction Cost Breakdown for the 'Sewer Pumping Station Rehabilitation/Replacement', shouldn't the units for Item No. 4 be "LS" rather than "EA"? Please correct accordingly. Also, please discuss and include the cost breakdown of any future phases that the City plans to pursue.
  - The Cost Breakdown for Sewer Pumping Stations should reflect lump sum and not "per each" pricing. This has been updated on the cost breakdown. A cost breakdown for future phases has also been provided in the plan.
- Page 28: Please include the shed numbers for the force main to be replaced under Phase 1.
  - The sewer sheds where the force main replacement is to occur has been indicated on the cost breakdown.
- Page 31: Please revise the verbiage under Section 1 to say "A public notice for the public hearing (at least 30 days prior to the hearing date) regarding the proposed project..." and "A copy of the public notice for the public hearing and proof of publications..."
  - The verbiage in Section IX, Paragraph 1 have been updated to reflect this verbiage.
- Appendix B: EPA Form 4700-4 must be signed and dated for our review/comments (if any) and EPA approval. Please include in your next submittal.
  - A completed and signed copy of EPA Form 4700-4 will be included in the next submittal.
- Appendix E: Financial Capability Summary: According to page 29 of the plan, there will be a 3% yearly increase in user fees and subsidization from the water budget. Please update the Financial Capability Summary to reflect these items.
  - User fees have been updated to reflect a 3% increase over two years. This reflects the approximate timeframe for the project to be completed and loan repayment to begin. The subsidization from water budget is reflected currently as Other revenue in the Financial Capability Summary. This has been clarified.
- Appendix E: Financial Capability Summary, Item 6: Please provide the monthly usage in (1000 gal) for the given rates for Class 1 and Class 2 users. Further, please revise the proposed user charge calculation (if needed) for both classes.
  - This information has been provided for Class 1 and Class 2 users.
- Appendix E: Financial Capability Summary, Item 7: The Connection Fees in the amount of $55,000 is not considered a steady source of revenue since it varies yearly and is not expected to be collected on an ongoing basis throughout the life of the project. Please revise accordingly. Also, please explain the source of the Other (miscellaneous) revenue of $376,762.
  - The Connection Fees have been removed from the revenue stream. The Other revenue indicated ($376,762) reflects the subsidization from the water budget. This has been clarified on the Financial Capability Summary.

- Appendices I, J, and K: Please publish the notice of public hearing upon receipt of all IGR responses, including any comments that must be addressed in the plan. Also, the plan must include proof that the public notice of the hearing was published in a newspaper of general circulation in the project area at least 30 days prior to the hearing date and the minutes from the hearing, including any public comments. Topics to be discussed at the hearing include the facilities to be built, why they are needed, where they will be built, how much they will cost, the average monthly user charge, and any environmental impact.
    - Proof of publication of the public hearing and meeting sign-in sheet have been provided as appendices in the submittal. There were no outside attendees at the public hearing, and the appendices indicate this accordingly.
- Appendices L-Q: Please include responses from all applicable IGR agencies in your next submittal, including any adverse comments and an indication of all permits/survey clearances that will be required. Please note that IGR permits/clearances or copies of letters from appropriate IGR agencies which state that no permits or clearances are required must be included in the Loan Application.
    - Response letters from all IGR agencies, as well as the response to any comments received, are provided in the appendices in the submittal.
- There is some "green" verbiage included in the planning document that may have been carried over accidentally from a previous submittal. Please note that this project is not qualified for "green" status.
    - Any reference to a "green" project has been removed from the plan.
- Farmland Protection Policy Act: Due to its location in an urbanized area, the project has been screened from FPPA review. Find enclosed the 2010 Census-Urbanized Area Reference Map: Gulfport, MS. Please add this information to your planning files for future reference.
    - This has been noted in planning files.

Enclosure two (2) copies of the revised Facilities Plan for the City of Ocean Springs Wastewater System Improvements for your review and comment or approval.

If you have any questions, please advise.

Sincerely,

COMPTON ENGINEERING, INC.

W. Andrew Douglass, P.E.
Project Engineer

Enclosure

STATE OF MISSISSIPPI
PHIL BRYANT
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
GARY C. RIKARD, EXECUTIVE DIRECTOR

October 12, 2017

Mr. James Foster, Interim Director of Public Works
City of Ocean Springs
P.O. Box 1800
Ocean Springs, MS 39566

Dear Mr. Foster:

Re: City of Ocean Springs
Wastewater System Improvements, Phase 1
Facilities Plan: Second Submittal
SRF-C280752-03

The Mississippi Department of Environmental Quality has completed review of the referenced Phase 1 facilities plan for conformance with the Water Pollution Control Revolving Loan Fund (WPCRLF) Regulations and the Guidance for Water Pollution Control Revolving Loan Fund Projects Funded Beginning Federal FY 2016 (October 1, 2015 and After) (WRRDA). Our comments are as follows:

1. Future Construction Cost Breakdown [For your information only (not part of Phase 1 review/approval)]:

    a. Page 30: Under the 'Sewer Pumping Station Rehabilitation/Replacement', the units for Item Nos. 4, 5, and 6 should be "LS" rather than "EA" (see the engineer's response letter dated October 4, 2017, under page 27). Please correct accordingly.

    b. Page 31: Under Future Phases 'Sewer Line and Manhole Lining', the total should be equal to $1,344,750.00, not $1,100,000.00 as indicated.

2. Financial Capability Summary:

    a. Item 6, "User Charges": Please include the existing usage (1000 gal) for both Class 1 and Class 2 customers and the corresponding rates (see our comment 12.b. in July 14, 2017 letter).

    b. Item 7, "Sources of Annual Revenue": Because Water revenue is being used to

subsidize the Wastewater revenue so that the annual Wastewater revenue equal to or exceeds the annual costs (Item 6), please provide justification for "Other" revenue, "Subsidization of Water" in the amount of $376,762.00. This justification must include existing debt such as any outstanding loans (i.e., Drinking Water Loans, any RUS debt, Operation, Maintenance, and Replacement (OM&R) costs, etc.). This needs to be presented in a similar format to the Wastewater Financial Capability Summary to make sure the City has enough Water revenue to subsidize the Wastewater side.

3. Appendix L, U.S. Army Corps of Engineers: Please be aware that although Corps permit/clearance is not required for the purpose of approving the planning document, the Corps issued permit/clearance letter must be included during the loan application submittal. See WPCRLF Reg. Rule 7.3.A.(2)(f) and WPCRLF Reg. Rule 7.3.B.(2)(h).

4. When the City is ready to proceed with future Phase 2 improvements as indicated in the engineer's email dated October 10, 2017, a COMPLETE amended planning document that complies with both WPCRLF Regulations and WRRDA Guidance must be submitted.

Once the above items are resolved, we will prepare a Finding of No Significant Impact (FONSI) and/or a Categorical Exclusion (CE) for the project in accordance with WPCRLF Regulations Appendix B. After the FONSI/CE has cleared its required public notice period and all items above are resolved, the facilities plan can be formally approved. We appreciate the City's continued interest in the WPCRLF Program. If you should have any questions, please call Ray Luke at 601-961-5083

Sincerely,

Sam T. Qarqish, P.E. BCEE
Construction Branch

cc: Mr. David Compton, PE, Compton Engineering, Inc. (w/enclosures)
Mr. Andy Douglass, PE, Compton Engineering, Inc. (w/enclosures)

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October 25, 2017

Mr. Sam Qarqish, Project Manager
MS Department of Environmental Quality
P.O. Box 2261
Jackson, MS 39225-2261

Re: City of Ocean Springs
Draft Facilities Plan for Wastewater System Improvements
SRF-C280752-03
(C.E. Job No.: 216-039.005)

Dear Mr. Qarqish:

In response to your letter dated October 12, 2017 regarding the above referenced project, please see our response to your comments below.

1. Future Construction Cost Breakdown

- Page 30: Under the 'Sewer Pumping Station Rehabilitation/Replacement', the units for Item Nos. 4, 5, and 6 should be "LS" rather than "EA" Please correct accordingly.
  - This has been addressed in the resubmittal.
- Page 31: Under Future Phases 'Sewer Line and Manhole Lining', the total should be equal to $1,344,750.00, not $1,100,000.00 as indicated.
  - The total cost for this section has been updated to $1,400,000 to represent an approximate total cost for work in this scope.

2. Financial Capability Summary

- Item 6, "User Charges": Please include the existing usage (1000 gal) for both Class 1 and Class 2 customers and the corresponding rates.
  - This information has been included in the financial capability summary.
- Item 7, "Sources of Annual Revenue": Because Water revenue is being used to subsidize the wastewater revenue so that the annual wastewater revenue equal to or exceeds the annual costs, please provide justification for "Other" revenue, "Subsidization of Water" in the amount of $376,762.00. This justification must include existing debt such as any outstanding loans (i.e., Drinking Water Loans, any RUS debt, Operation, Maintenance, and Replacement (OM&R) costs, etc.). This needs to be presented in a similar format to the Wastewater Financial Capability Summary to make sure the City has enough water revenue to subsidize the wastewater side.
  - Please see the Water Financial Capability Summary provided as Appendix U.

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3. Appendix L, US Army Corps of Engineers: Please be aware that although Corps permit/clearance is not required for the purpose of approving the planning document, the Corps issued permit/clearance letter must be included during the loan application submittal.
    - A Corps issued permit/clearance letter will be provided during the loan application submittal process.

4. When the City is ready to proceed with future Phase 2 improvements as indicated in the engineer's email dated October 10, 2017, a COMPLETE amended planning document that complies with both WPCRLF Regulations and WRRDA Guidance must be submitted.
    - When the City is ready to proceed with future Phase 2 improvements, a complete amended planning document will be provided meeting all applicable regulations and guidelines.

Enclosed please find two (2) copies of the revised Facilities Plan for the City of Ocean Springs Wastewater System Improvements for your review and comment or approval.

If you have any questions, please advise.

Sincerely,

COMPTON ENGINEERING, INC.

W. Andrew Douglass, P.E.
Project Engineer

Enclosure

APPENDIX S

CITY OF OCEAN SPRINGS
REVIEW COMMENTS AND RESPONSE

COMPTON ENGINEERING, INC.

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BAY ST. LOUIS

June 13, 2017

Mr. James Foster, Interim Public Works Director
City of Ocean Springs
P.O. Box 1800
Ocean Springs, MS 39566-1800

Re: City of Ocean Springs
Draft Facilities Plan for Wastewater System Improvements
(C.E. Job No.: 216-039.005)

Dear Mr. Foster:

Enclosed please find a draft Facilities Plan for the City of Ocean Springs Wastewater System Improvements. The improvements consist of the rehabilitation of four (4) stations, the rehabilitation and replacement of sewer lines and manholes throughout the City, and installation of two (2) new force mains. All work is being performed on existing facilities or in existing rights-of-way.

Funding for this project through the Mississippi Department of Environmental Quality, Office of Pollution Control is imperative; therefore, we request that your office review the attached Facilities Plan and forward your comments back to me within 30 days.

If you have any questions, please advise.

Sincerely,

COMPTON ENGINEERING, INC.

W. Andrew Douglass, P.E.
Project Engineer

Enclosure

1699

P.O. Box 1800
Ocean Springs, MS
39566-1800

1018 Porter Avenue
Ocean Springs, MS 39564

PH 228.875.4236
FX 228.875.7249

Shea Dobson
Mayor

Bobby Cox
Alderman at Large

John Gill
Alderman Ward 1

Rickey Authement
Alderman Ward 2

Joseph Bellman, Jr.
Alderman Ward 3

Ken Papania
Alderman Ward 4

Robert Blackman
Alderman Ward 5

Michael (Mike) Impey, II
Alderman Ward 6

City Clerk
228.875.4236

Police Chief
228.875.2211

Fire Chief
228.872.4407

Public Works
228.875.3955

Community Development and Planning
228.875.4415

Human Resources and Risk Management
228.872.3338

Parks and Leisure Services
228.875.8665

City of Ocean Springs

September 14, 2017

Mr. W. Andrew Douglass, P.E.
Compton Engineering, Inc.
P.O. Box 686
Pascagoula, MS 39568-0686

Re: City of Ocean Springs
Draft Facilities Plan for Wastewater System Improvements
(C.E. Job No.: 216-039.005)

Dear Mr. Douglass:

The City of Ocean Springs has completed their review of the above referenced facilities plan for Wastewater System Improvements in Ocean Springs, MS and has no comments at this time.

If you have any questions, please advise.

Sincerely,

James C. Foster Jr.

James Foster
City of Ocean Springs
Interim Public Works Director

APPENDIX T

COST AND EFFECTIVENESS COVER

COST AND EFFECTIVENESS CERTIFICATION

Loan Applicant/Recipient: City of Ocean Springs

Loan Number: SRF-C280 752-03

We (the undersigned Authorized Representative and Consulting Engineer) do hereby certify as follows with regard to the Water Pollution Control Revolving Loan Fund (hereinafter "WPCRLF") project identified above:

(A) The Loan Applicant/Recipient has studied and evaluated the cost and effectiveness of the processes, materials, techniques, and technologies for carrying out the proposed project or activity for which assistance is sought under this title; and

(B) The Loan Applicant/Recipient has selected, to the maximum extent practicable, a project or activity that maximizes the potential for efficient water use, reuse, recapture, and conservation, and energy conservation, taking into account—

(i) the cost of constructing the project or activity;
(ii) the cost of operating and maintaining the project or activity over the life of the project or activity; and
(iii) the cost of replacing the project or activity;

We understand that this Cost and Effectiveness Certification (hereinafter "Certification") is a material representation of fact upon which reliance is placed by the Mississippi Department of Environmental Quality (hereinafter "MDEQ") regarding state financial assistance under Section 49-17-81 through 89, Mississippi Code of 1972, as amended (Water Pollution Control Revolving Fund and Emergency Loan Fund Act) to construct the water pollution control project identified above.

We understand that we shall immediately provide written notice to the MDEQ if at any time we learn that this Certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

We understand that we must maintain all documents, papers, and records regarding the Cost and Effectiveness study and evaluation and that any duly authorized representative of the MDEQ and/or EPA has a right of access to any such documents, papers and/or record for purposes of review, audit, examination, excerpts, and transcriptions.

We understand that MDEQ may report violations and/or suspected violations to the appropriate state and/or federal authorities in accordance with applicable state law and regulations and/or applicable federal law and regulations and/or as determined appropriate by MDEQ.

We understand that if MDEQ discovers that any of the Cost and Effectiveness requirements were violated or that the Loan Applicant/Recipient rendered an erroneous Certification, in addition to all other remedies available, the Executive Director, or his designee, may determine that the related costs are unallowable and may require immediate repayment of all WPCRLF funds paid for such costs, in accordance with Rule 7.3.H.(6) of the WPCRLF Program Regulations.

As the Loan Applicant's/Recipient's Authorized Representative, I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, and based on my inquiry of those individuals immediately responsible for obtaining the information, believe the submitted information is true, accurate and complete.

James C. Foster	
Authorized Representative (Signature)	Consulting Engineer (Signature)
James C. Foster, Jr	William A. Douglass
Printed Name	Printed Name
9-18-2017	9-18-2017
Date	Date

APPENDIX U

FINANCIAL CAPABILITY SUMMARY FOR WATER SUBSIDIZATION

ATTACHMENT 2

FINANCIAL CAPABILITY SUMMARY

Loan Recipient City of Ocean Springs Date October 2017

Project Description Sewer Rehabilitation (Water Subsidization

The following figures are total estimated costs for construction (includes construction related costs) and operation and maintenance of the proposed facilities. Amounts must agree with the facilities plan. See WPCRLF Reg. Appendix A for allowable cost information.

1. Estimated Construction Costs

Planning/Application Phase Services	$_____
Design/Land Acquisition Phase Services	$_____
Land/Easements	$_____
Construction	$_____
Construction Phase Services	$_____
Construction Contingency	$_____
Other (_____)	$_____
TOTAL	$_____

2. Funding Sources

WPCRLF Loan	$_____
Other Loans/Bonds (_____)	$_____
CDBG Grant	$_____
Other Grant (_____)	$_____
Other (_____)	$_____
TOTAL (must equal 1 TOTAL)	$_____

3. New Debt Retirement

Financing Method	Amount	Interest Rate	Term of Maturity	Annual Debt Payment
WPCRLF Loan	$_____	%_____	___yrs	$_____
Other Loan	$_____	%_____	____yrs	$_____
Bonds	$_____	%_____	____yrs	$_____
Other	$_____	%_____	____yrs	$_____
TOTAL				$_____

4. Estimated Annual Operation, Maintenance and Replacement (OM&R) Costs

Annual OM&R (new facilities)	
Labor	$_____
Utilities	$_____
Materials	$_____
Outside Services	$_____
Equipment Replacement	$_____
Miscellaneous	$_____
a. Subtotal	$_____
b. Existing OM&R (to remain)	$1,686,474.98
c. TOTAL OM&R (4.a+4.b)	$1,686,474.98

5. Total Estimated Annual Costs

Existing Debt Service	
RUS (formerly FmHA)	$_____
Other	$ 423,812.04
New Facilities Debt Service (from 3)	$_____
Total Annual OM&R (from 4.c)	$1,686,474.98
TOTAL	$2,110,287.02

6. User Charges

Existing Monthly Rates **(PLEASE REFER TO APPENDIX E FOR CURRENT RATES)**

Usage	Class 1	Class 2
Up to 2,999 gal (Flat Fee)	$11.16	$23.14
3,000 and Over	$11.16 + $2.44/1000 gal	$23.14 + $2.60/1000 gal

Existing Revenue

	Avg. Use (1000 gal/mo)	Avg. Bill ($/mo)	No. of Users	Revenue ($/mo)
Class 1	6.60	$ 19.94	7,415	$ 147,855.00
Class 2	14.08	$ 51.92	799	41,480.00
Class 3				
Subtotal				$ 189,335.00
ANNUAL TOTAL (Revenue Subtotal x 12)				$2,272,000.00

Proposed Monthly Rates (if increase is proposed) - **(PLEASE REFER TO APPENDIX E FOR PROPOSED RATES)**

Usage	Class 1	Class 2
Up to 2,999 gal (Flat Fee)	$11.84	$24.55
3,000 and Over	$11.84 + $2.58/1000 gal	$24.55 + $2.77/1000 gal

Existing Revenue

	Avg. Use (1000 gal/mo)	Avg. Bill ($/mo)	No. of Users	Revenue ($/mo)
Class 1	6.60	$ 21.13	7,415	$ 156,680.00
Class 2	14.08	$ 55.25	799	44,140.00
Class 3				
Subtotal				$ 200,820.00

ANNUAL TOTAL (Revenue Subtotal x 12) $2,409,840.00

7. Sources of Annual Revenue

User Charges (6.c TOTAL)	$ 2,409,840.00
Property Taxes	$
Connection Fees	$
Other (Penalties/Other Sales)	$
TOTAL (must exceed 5 TOTAL)	$ 2,409,840.00